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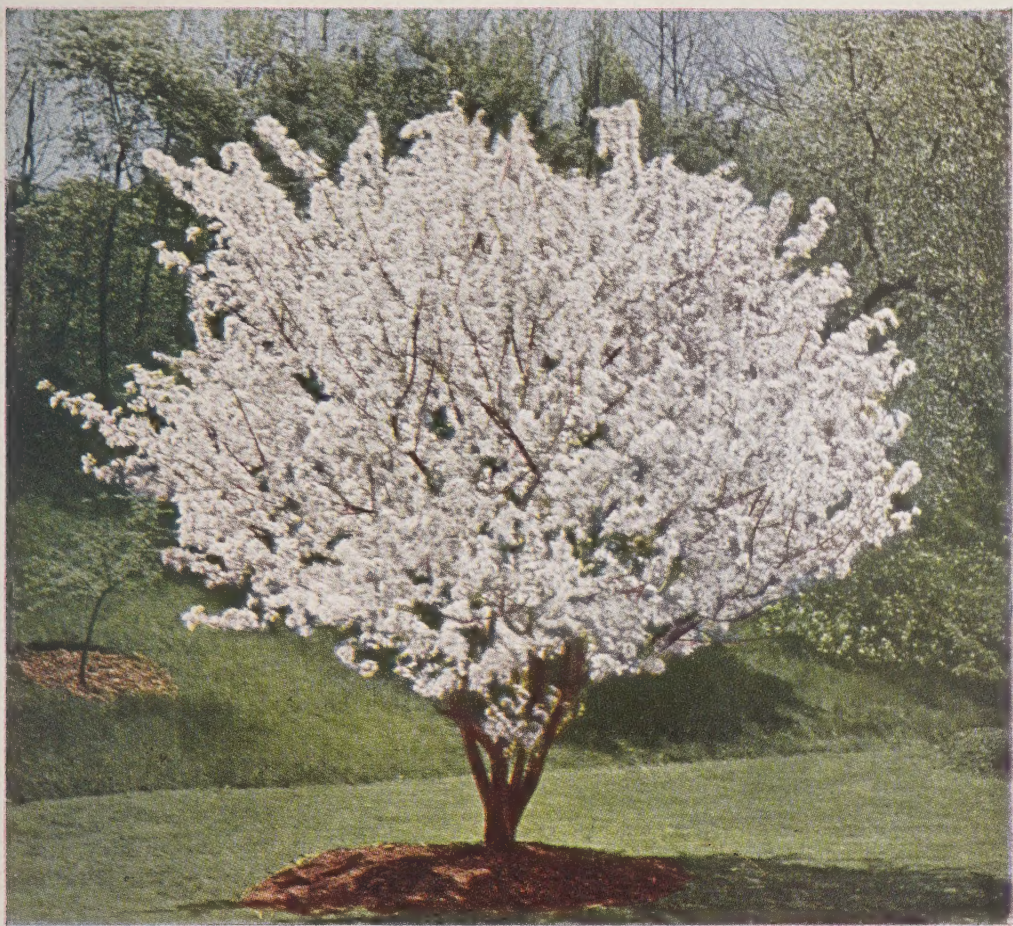
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LAND O' LAKES

Nursery Department

Minneapolis 13, Minn.



Dolgo in Bloom
Pages 5 and 25

1948
*Choice Fruit
and
Ornamental
Plants for*
LAND O' LAKES
Patrons

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U.S. Department of Agriculture



Redwell

Wealthy

See page 7 for descriptions

Red Van Buren



NURSERY CATALOG

LAND O' LAKES ADDS ANOTHER SERVICE

With Special Benefits for LAND O' LAKES Patrons

Dear Patrons:

Gradually and effectively farmers are demanding greater production service from the LAND O' LAKES CREAMERIES and, in response to this demand, new activities have been added from time to time, the latest of which is the demand for assistance in the establishment of **reliable nursery service** to provide necessary woodlot, windbreak, garden and landscape service, all of which is an associated part of agricultural production.

Believing that the LAND O' LAKES CREAMERIES can effectively serve farmers in this capacity, arrangements have been made whereby hardy nursery stock is offered from a most reliable source where the experience of **over three-quarters of a century** in the development of trees, fruit, ornamental plants, shrubs and other hardy, timely farm items has proven successful in so far as its application to the LAND O' LAKES area is concerned.

The LAND O' LAKES CREAMERIES is presenting in this catalog a complete list of basic hardy items, which of course it is understood it does not grow itself. LAND O' LAKES has arranged for the best possible service in this connection through an established nursery of long experience and, through its facilities, is now prepared to bring an economic service to its patrons at worth-while savings.

In this catalog special attention has been given to listing **only** those plants and trees that are adapted to the territory we serve. This catalog has also been written from a service standpoint with directions for culture of the items listed, and a planting instruction booklet will be sent free with every order. **BE SURE TO WATCH FOR IT.**

Special attention is called to the nursery stock guarantee, the need for early ordering, the climate zone map, the planting distance chart and the list of other services conducted by LAND O' LAKES which will be found on this page.

Send all orders to **LAND O' LAKES NURSERY DEPARTMENT, 2201 Kennedy St. N. E., Minneapolis 13, Minnesota.**

Sincerely yours,
LAND O' LAKES CREAMERIES, INC.

Need for Early Orders Other

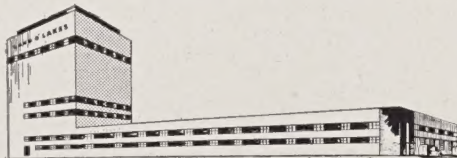
While every effort has been made by the nursery to set aside enough nursery stock for you, some varieties are still too new to be in abundant supply. It is also difficult to gauge the amount of stock LAND O' LAKES members will order the first year.

The nursery has assured us that stock will be set aside as ordered, whether from you or from their old, regular customers. Early ordering is therefore necessary if you want to be assured of receiving the variety you want.

No substitutions will be made unless you indicate on the order blank that they may be made. When allowed to substitute, the variety substituted will be as near as possible to the original one ordered or better, and of equal or greater value.

All items listed in this catalog will be spring delivered except Iris and Peonies. Red Raspberries and Lilies can be delivered in either spring or fall. Spring planting throughout the LAND O' LAKES area is recommended for all other nursery stock.

LAND O' LAKES SERVICES



Your Creamery or Feed Dealer offers a complete line of LAND O' LAKES Feeds, Seeds and Fertilizers.

We guarantee that all our nursery stock will reach the purchaser alive and in growing condition, and will replace, free of charge, any that does not, upon receiving your express or freight receipt with statement from the agent showing loss or damage.

Any tree or plant that dies the first growing season, we will replace at a cost of one-half the regular catalog price, customer to make report and have his order for replacement in our hands before October 10th following date of purchase.

We guarantee to all our customers stock that is true-to-name and absolutely as represented. Any of our stock proven not to be, will be replaced free of charge or the purchase price refunded. It is mutually agreed by the purchaser and ourselves that we are not to be held liable for any damage other than herein named.

INDEX

Apples	4, 5, 6, 7
Asparagus	16
Blackberries	10
Cherries	3
Currants	11
Evergreens	22
Flowering Crabs	25
Gladiolus	27, 28
Gooseberries	11
Grapes	15
Hardy Mums	Back Cover
Hardy Perennials	30, 31
Hedges	26
Iris	31
Lilies	31
Pears	15
Peonies	31
Phlox	31
Plums	12, 13
Prunes	13
Raspberries	8, 9, 10
Rhubarb	16
Roses	29
Shade Trees	24, 25
Shrubs	17, 20, 21
Strawberries	14, 15
Vines	26
Windbreaks	18, 19, 23

CLIMATE ZONES FOR LAND O' LAKES

A climate zone map of the LAND O' LAKES area and surrounding territory is provided so that patrons may help decide what nursery stock is suitable for their needs according to **adaptability and hardiness.**

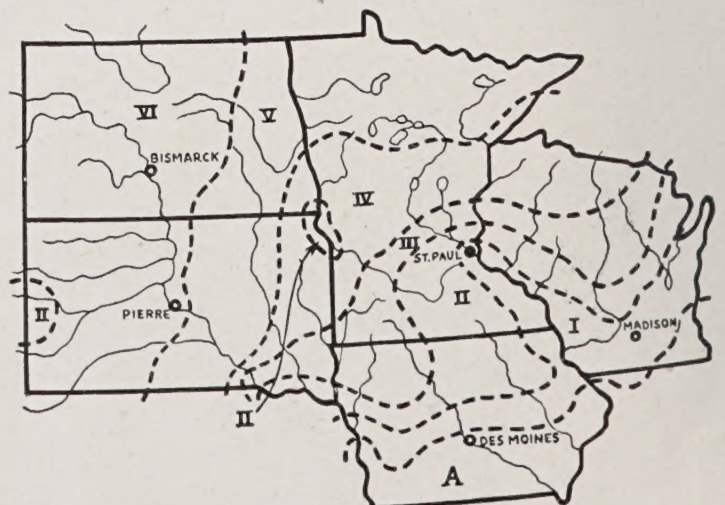
Where a fruit or ornamental is suggested for trial in any area, LAND O' LAKES would greatly appreciate those who plant such stock **making reports** from time to time on its performance. Through this means LAND O' LAKES can give you **better** nursery stock service.

That area south and east of **Zone I** includes the commercial Apple belt with the Peach belt lying just south of that. Zone I is a semi-commercial Apple and other fruit belt in which hardy varieties can be grown on a commercial or local market scale. **Zone II** is a modification of **Zone I** with a narrowing of commercial possibilities to local markets **except in the Black Hills, the Bigstone-Traverse lakes and the Lake Superior areas**, where conditions are more favorable in **selected** locations. The **other zones** are mostly **home orchard** or **limited local market** areas in which only the **hardest** of fruit and ornamental plants should be grown.

PLANTING DISTANCES The following planting distances are for **average** locations and the **larger spacings** for the **milder zones** and the **colder zones**. Adjust your spacings according to favorableness of your location. **Complete instructions will accompany your order.**

Apples	25 to 35 feet apart	Grapes	8 to 10 feet apart	Raspberries:	
Plums	18 to 25 feet apart	Currants	4 to 5 feet apart	Hill System	5 by 5 feet
Cherries	18 to 25 feet apart	Gooseberries	4 to 5 feet apart	Hedge Row	2 by 6 feet

Rhubarb	3 to 4 feet apart
Asparagus	1 foot apart





Korean
Cherry

GIANT Red fleshed Cherries

New Cherries! KOREAN Dwarf Bush Cherry

A new dwarf bush Cherry from Korea that ripens in late summer when other Cherries are gone.

Its **tart, red** Cherries are similar to the common sour Cherry of commerce and can be used for **pies and sauce**, for which they are excellent. The branches of the little 3- to 4-foot bushes are **covered with Cherries** from the second year on. The Cherries ripen in late August and early September, starting with variety No. 20 and ending with No. 60.

The bushes are a **mass of white bloom** in the spring and can be used for foundation plantings about the house or other buildings, in the shrub border or as a low, untrimmed hedge. It bears its fruit on twigs that grew the season before.

Two varieties are necessary for **fruitfulness**. (See the price list for varieties.) They can be grown in **all zones** up to and including **Zone V** with success and are **highly recommended** for **trial in Zone VI**.

KOREAN CHERRY PRICES

Not Prepaid	2-3 ft. Each	18-24 in. Each
Korean No. 20	\$1.65	\$1.35
Korean No. 57	1.65	1.35
Korean No. 60	1.65	1.35
Korean No. 99	1.65	1.35

Full Directions for Planting With Every Order

Sapa is of splendid quality which is unexcelled for canning, sauce and pies. It is also good eaten out of hand. It is purple-red outside and wine-red inside, bearing on one-year-old wood, so will bear next year after planting. Extremely hardy, it thrives over a wide range. It is best practice to grow this variety as a large bush and keep them pruned more severely than most fruit trees. Cut out the older growth and encourage growth of new shoots that will set fruit regularly and heavily. Include some of the pollinizers listed at bottom of page. Hardy in **all zones**.

Sapa and Sapalta

Sapalta is a new Cherry hybrid, a seedling of Sapa, and is absolutely hardy. Sapalta closely resembles Sapa in bush and fruit characteristics, but seems to be sweeter and less clingstone. Fruit is of excellent quality and same color as Sapa. Bears one year after planting. Should be grown as a large bush like Sapa. Hardy for all zones. Be sure to include a pollinizer in your order.

CHERRY PRICES—NOT PREPAID

	1-4 ea.	5-9 ea.	10 up ea.
Sapa			
Sapalta			
Opata			
Compass			
5-6 ft. ...	\$1.85	\$1.80	\$1.75
4-5 ft. ...	1.65	1.60	1.55
3-4 ft. ...	1.50	1.45	1.40

POLLINIZER CHERRIES

COMPASS

An effective pollinizer for Sapa, Sapalta and Opata Cherries. It is also a hybrid of similar breeding, but resembles the ordinary sour Cherry more in character of fruit. It grows bushlike. The fruit is good for **canning, jams and jellies**. Plant one Compass for 8 or 10 Sapa, Sapalta or Opata. Some tendency to blossom ahead of those fruits in some years reduces its value as a pollinizer somewhat. Good in **all zones**. See prices above.

HANSEN'S IMPROVED BUSH

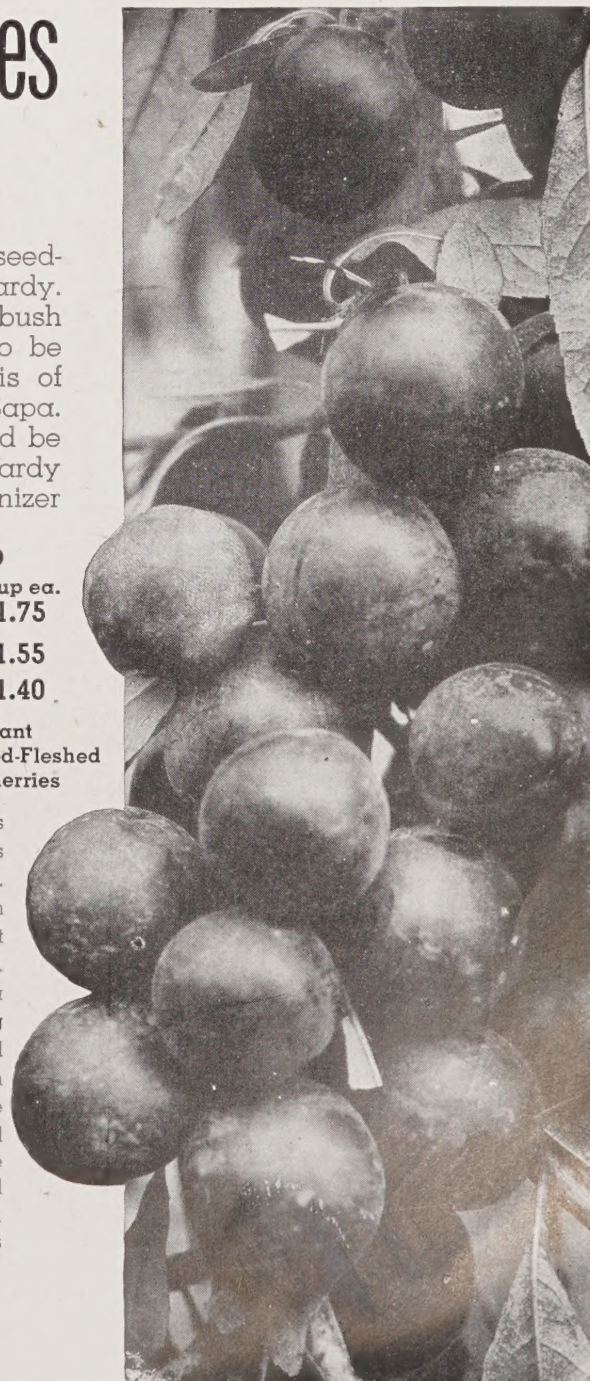
A better pollinizer than Compass Cherry for Sapa, Sapalta and Opata, but not as good a fruit. Best combination is to use half Compass and half Hansen's Bush Cherries as pollinizers and alternate them in larger planting. Good in **all zones**. Prices below.

PRICES FOR Hansen's Bush Cherry NOT PREPAID	1-4 ea.	5-9 ea.	10 up ea.
2-3 ft. transplants ..	\$0.50	\$0.45	\$0.40
18-24 in. transplants ..	.39	.34	.29

OPATA

Giant
Red-Fleshed
Cherries

From the same breeding as Sapa, the Opata Cherry is **green-fleshed** instead of red. It is much **milder** in flavor than either Sapa or Sapalta, but good to eat out of hand. A good companion tree for Sapa or Sapalta, but **limit planting** in relation to the red-fleshed Cherries. If grown in bush form, all the fruits can be picked from the ground. Should receive the same general care as Sapa and Sapalta, and needs the same pollinizers. Good in **all zones**. See prices above.



SELECTED *Northern Grown* Apple Trees

BEACON - *for Early*

There has been a long search for an early Apple that would keep longer than while you were looking at it. The Beacon is one of the answers to that need, and will fill the bill much better than Duchess, Early Harvest or Yellow Transparent. Ripening about Duchess time, they will keep well into Wealthy season.

The all-red color, plus its all around goodness and keeping ability, make **Beacon the best early Apple** introduced by the Minnesota Fruit Breeding Farm to date. It is of great value as a home orchard variety in Zones III through V, and exceeded by few in Zone VI. Beacon is of commercial importance in zones up through II. Until a better Apple is introduced, Beacon is the best early Apple to plant. **See prices below.**



Beacon

Full Directions for Planting With Every Order

MIN-JON - *a Hardy Jonathan*

A very hardy Jonathan type Apple whose only objectionable feature is over-loading in some seasons. In those years, thinning of the fruit while small is desirable to produce good size and color.

When done well, Min-Jon is one of the **reddest of Apples** with a yellow flesh, often tinged pink just below the skin. Even where Jonathan can be grown, Min-Jon ripens just enough earlier to bring premium prices on the market. Keeps until late December in ordinary storage. A Minnesota Fruit Breeding Farm introduction.

The fruit hangs well until picked, the tree is hardy, the fruit quality is good for eating and cooking. Recommended for commercial planting in zones up through III, and for home orchards or local markets in all other zones. **See prices at right.**



Prairie
Spy

PRAIRIE SPY - *High Quality*

A **new** Apple from the Minnesota Fruit Breeding Farm that is rapidly coming to the fore. Prairie Spy is acclaimed to be one of the highest quality, hardy Apples available. It is tops in both eating and cooking, has a remarkable record of bearing, and keeps until early spring. It is the longest keeping quality Apple available.

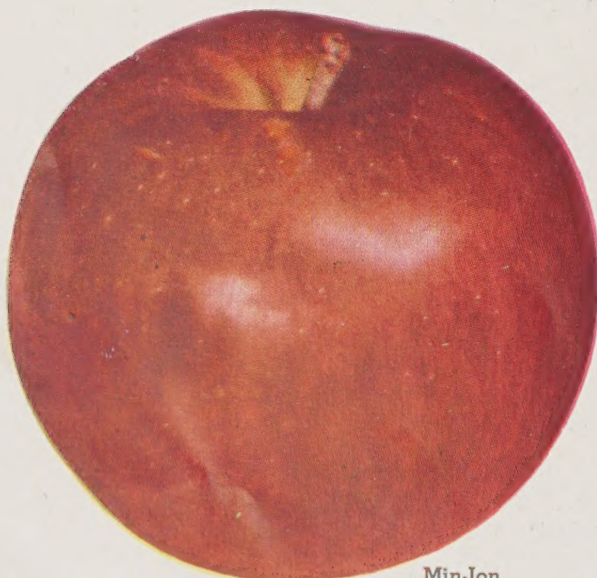
It has been reported as **performing well** as far north as Morden, Manitoba, Canada. Recommended for **zones up through III**, and for **trial in all other zones**. **See prices below.**

PRICES OF THESE FOUR HIGH QUALITY APPLES—NOT PREPAID					
Beacon	}		1-4 ea.	5-9 ea.	10 up ea.
Fireside		5-6 ft.	\$1.50	\$1.40	\$1.35
Min-Jon		4-5 ft.	1.25	1.20	1.16
Prairie Spy		3-4 ft.	1.00	.95	.91

FIRESIDE *A Hardier Delicious*

For those who think that the flavor of Delicious is hard to beat, **Fireside is tailor made**. It has all the flavor of Delicious and a little to boot. Besides it will **thrive** far north of the commercial Apple belt and **KEEPS ALL WINTER**. Delicious will not.

An introduction of the Minnesota Fruit Breeding Farm, Fireside does not color up too well in Zones V and VI, but as it is grown farther south, it becomes better colored and larger sized. Recommended for **zones up through IV**, and for **trial in Zones V and VI**. **See prices above.**



Min-Jon



Fireside

HARDY VARIETIES *For Our Patrons*

VICTORY - for Good Eating

A McIntosh type Apple that **colors better** than the old McIntosh and is **hardier** than Cortland. It is a **consistent** bearer, **keeps longer** than McIntosh and **hangs** on to the tree better. Another introduction of the Minnesota Fruit Breeding Farm.

Its quality is **equal** to the best McIntosh for eating and it cooks well. It ripens a little later than McIntosh and it will **keep for a month longer**.

Recommended for **zones up through V** and for **trial in Zone VI only**. See prices below.

MINNESOTA No. 790 - for Baking, Eating, and All 'Round Goodness

This Apple, originated at the Minnesota Fruit Breeding Farm, is the best baking and cooking Apple, bar none, that has been found. It is a good consistent cropper, producing large, firm, dark red Apples and is a fine addition to the home orchard.

Minnesota No. 790 will **keep through to March** in a cool basement and besides being good for culinary purposes, is an **excellent** Apple to eat out of hand. Recommended for **zones up through IV**, and for **trial in zones X and VI**. See prices below.



Minnesota
No. 790



Victory

DOLGO - for Supreme Jellies

If you have a small boy in the family, these jelly Crabs are a must for your fruit planting. Originated at the South Dakota Experiment Station, Dolgo has yet to be topped for ease of jelly or jam making.

The Crabs are as **red** as the picture shows and the **tree in bloom is white**, just like the Dolgo pictured on the front cover. It is **becoming recognized** as the foremost **dual-purpose Crab** in the country. Plant them on the lawn or in the outdoor living room for ornament and fruit. You will not regret planting a tree or two of Dolgo. Recommended for **all zones**. See prices below.

Dolgo



PRICES FOR		Not Prepaid	1-4 ea.	5-9 ea.	10 up ea.
Minnesota No. 790 and Victory	5-6 ft.		\$1.50	\$1.40	\$1.35
	4-5 ft.		1.25	1.20	1.16
	3-4 ft.		1.00	.95	.91



Haralson

HARALSON - Winter Keeper

A good red color, crisp flesh and winter keeping qualities make Haralson one of the best home orchard and commercial Apples available. It keeps all winter in ordinary storage.

Haralson has been thoroughly tested for all zones. See prices below.

PRICES OF DOLGO AND HARALSON			
	1-4 ea.	5-9 ea.	10 up ea.
5-6 ft.	\$1.25	\$1.15	\$1.10
4-5 ft.	1.00	.95	.91
3-4 ft. ....	.75	.70	.66
NOT PREPAID			



Apple Trees as Seen In the Nursery

APPLES

for Health

Apples are recognized as being the **healthiest of fruits**. They supply **bulk, energy, minerals and vitamins** to the diet. All are important and while the Apple is not a "perfect" food it does supply many a **missing link** in the average diet.

Grown in **your own orchard**, they will **appear more often** in the diet. Besides they are awfully nice for **that late evening snack** in winter and to **help pack the kiddies dinner pail**.

from NURSERY



to

ORCHARD

How to Grow Apples in the Farm Orchard

An instruction booklet on planting, first pruning and spraying is included with each shipment, but before you order, one of the things you should consider is space so that you can determine how many trees to order.

Spacings of 25 feet or 20 by 25 feet are suitable for **Zones V and VI**. Space 30 feet or 25 by 30 feet in **Zones III and IV**. Space 35 feet or 30 by 35 feet in **Zones I and II**. Spacings of 40 feet or 35 by 40 feet are often used in the area south where growth is ranker.

Where **one** row of trees is planted in the home orchard, or two rows, closer spacing is often permissible.

For **best** pruning practices, **secure a bulletin** from your local county agent. Spraying and other detailed information can often be secured there also.

SIZES THAT DO BEST

For the home orchard, the 5- to 6-foot, branched tree is generally considered best, though the careful planter will have success with the 4- to 5-foot, branched tree. Commercial planters often use the 4- to 5-foot and 3- to 4-foot sizes because they have more time to care for them than the average home orchardist does.

LAND O' LAKES strongly advise the larger sizes but list the smaller ones for those who can spend a little extra time in their care.

VARIETY SELECTION

Partly select varieties by personal tastes and partly by adaptability to your location. Read the descriptions carefully as to zones where they can be grown and then be sure to have one or two early Apples of different varieties, one or two fall or early winter Apples and a like number of winter keepers.

Apples need cross pollination, so by all means buy at least two varieties unless there are older trees already planted in your orchard.

Select the numbers of each type of Apples you will need for all purposes according to family size and tastes. Six trees are about the minimum number that will cover all season and most culinary uses. Trees when young will supply about a peck

of Apples per tree after about three to five years in the orchard, depending on care, etc., and when mature from ten to twenty bushels per tree with good care. Larger yields are generally confined to the more southern areas.

HOW TO PLANT TREES

Trees should be heeled in on the north side of a building or kept wrapped in an otherwise cool, moist location until ready to plant. Trees will be shipped when it is felt that planting time has arrived in your area.

When ready to plant, dig a hole larger than you think necessary and deep enough so that the tree will set 2 or 3 inches deeper than it grew in the nursery. Deeper is better than shallower. In the meantime, the trees can be unwrapped and set in a bucket or tub of water to pick up all the moisture they can before setting in the hole.

Clip the root ends slightly just before placing the trees in their holes, fill in with earth and TRAMP with your feet just as hard as possible.

A good drink for the trees, at this time is very appropriate. Fill up the hollow that has been left for that purpose a couple of times and more if the soil is dry. Better yet, fill the hole with water first if the season is unusually dry.

Sift drier, looser soil over the surface after the water has soaked away. This prevents crusting of the surface.

Follow instructions on pruning that accompany your order, or prune more severely than indicated. Side branches should be spaced from 10 to 12 inches apart along the trunk, and distributed as evenly about the trunk as possible. All excess branches should be cut off. Get a good pruning bulletin from your county agent to proceed from there.

FRUIT TREES *on Hardy Roots*

RED VAN BUREN (Red Duchess)

Formerly thought to be a **Duchess sport**, but now known to be a **separate variety**. It is **better** than Duchess in both color and quality. **Will go wherever Duchess will go** and do more than Duchess will. Recommended for **zones up through V**, and for **trial in Zone VI**. See prices below.

WEALTHY—An Old Favorite

Still **one of the most popular** fall varieties, reaching its **peak** of perfection in the **LAND O' LAKES** area. It is of commercial importance in **zones I and II**, and of home orchard value in **Zones III and IV**. Will do well in **Zone V** but **newer Minnesota varieties will do better**. See prices below.

HIBERNAL—For Cold Climates

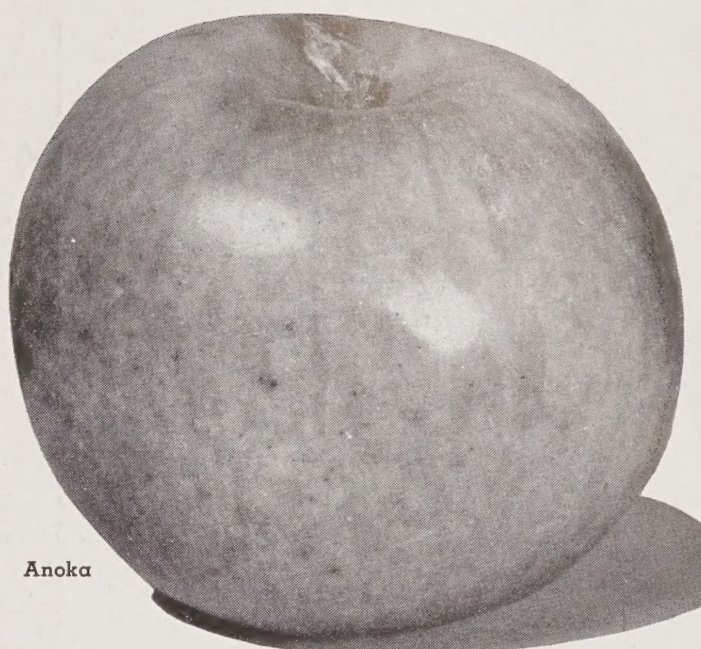
This is the Apple for **trying locations** where others will not do. It is a **large, green Apple** suitable for **cooking** and of first rate **hardiness**. It is often used in commercial sections to supply **hardy** trunks for tenderer varieties. Recommended for **Zones V and VI**. See prices below.

ANOKA

Where Hardiness is the First Requirement

From South Dakota comes the **Anoka Apple**, **bred for** the people of the Great Plains where summers are **hot** and winters are **cold**. This Apple comes into **bearing early**, is **semi-dwarf** and bears well. It is **not as long lived** as tenderer varieties where tender sorts can be grown.

The fruit **lacks color, quality and keeping ability**. It is **not recommended** where Beacon or Red Van Buren can be grown. Recommended for **Zones V and VI only**. See prices at left below.



Anoka

PRICES FOR		NOT PREPAID			
Anoka					
Hibernal					
Piotosh Crab		1-4 ea.	5-9 ea.	10 up ea.	
Red River Crab	5-6 ft.	\$1.25	\$1.15	\$1.10	
Red Van Buren	4-5 ft.	1.00	.95	.91	
Wealthy	3-4 ft. ....	.75	.70	.66	
Whitney Crab					
Redwell	5-6 ft.	1.50	1.40	1.35	
	4-5 ft.	1.25	1.20	1.16	
	3-4 ft.	1.00	.95	.91	

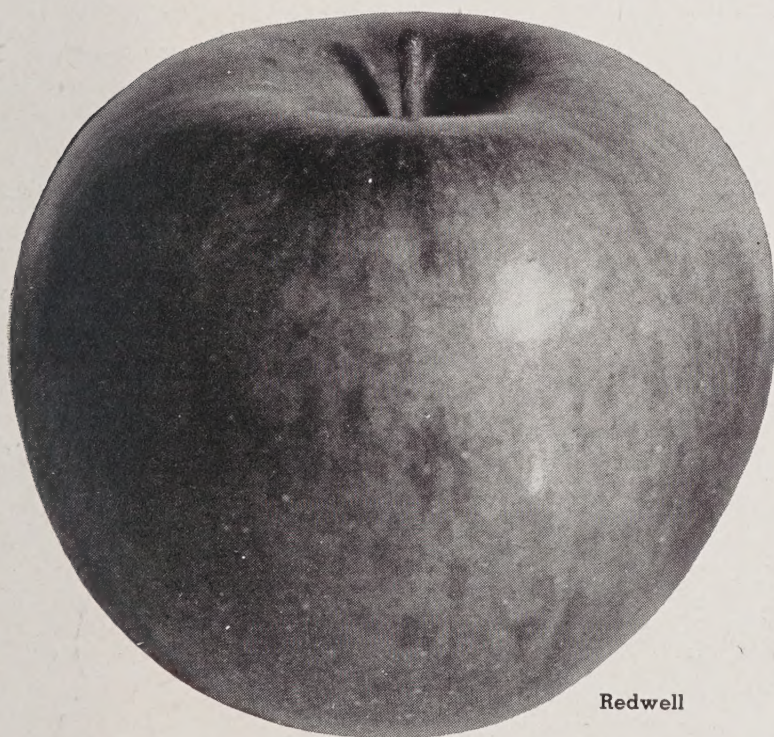
REDWELL *An Annual Bearer of Large Luscious Red Fruits*

Formerly Minnesota No. 638. Named in 1946.

A new introduction of the Minnesota Fruit Breeding Farm that is **hardy enough** for all zones but matures too late for **Zones V and VI**.

A brilliant **all red** Apple, called by many "Winter Wealthy" before it was **named in 1946**. Redwell matures in **late October** and **keeps** until in January in ordinary storage. It has **much** of the Wealthy flavor but unlike Wealthy, it **bears regularly**.

Redwell comes **nearest** to being the **perfect** Apple of any of the Minnesota Apples yet introduced, because of **ease** of culture, **ability** to hang to the tree and **even** distribution of fruit on the tree. Recommended for **all but Zones V and VI**. See prices at left.



Redwell

HARDY NORTHERN ROOT STOCKS

All the Apple trees offered in this catalog are grafted or budded on to **Hardy Northern Root Stocks** which have been found **best** by test by **northern nurserymen**.

Trees grafted or budded on to southern stocks **may lose** their roots in "test winters." These trees **seldom** do. **Hardy Northern Root Stocks** have been developed to **match the hardiness** of the varieties on top. With these trees, the **roots will go anywhere** the tops are hardy.

Plums, Cherries and Pears are all budded on to **Hardy Northern Root Stocks** that are **suitable** for them.

CRAB APPLES

RED RIVER CRAB

From North Dakota comes this Crab—a **cross** between Dolgo and Delicious. Looks much like Dolgo in **color** but has the **sweet** flavor of Delicious. It is **hardy in all zones**. See prices above.

WHITNEY

Whitney is an **old favorite** for **eating and pickling**. It is so well known that it needs no further description. Best in **zones up through III**. See prices above.

PIOTOSH

A **new rival** for Whitney is the **Piotosh** from Morden, Manitoba, Canada. Many believe it **will replace** Whitney before too many years. It is a **good preserver**, good for **jelly and fair as dessert**.

It fruits **heavier** than Whitney, is of **better quality**, **more attractive** and **hardier**. This bright red, medium sized Crab is recommended for **all zones**. See prices above.



Crab Apples



Indian Summer

New INDIAN SUMMER EVERBEARING Red Raspberry



Easily the best red "Everbearing" Raspberry yet introduced. Originated at the New York Experiment Station, it is hardy, disease resistant and prolific.

Berries are large, conical, medium red, rather soft, of good quality. Good for local market or home planting.

Like other "Everbearing" Raspberries, it bears **two** crops a year; one in June and July and the **other in the autumn**, starting in mid-September and **continuing** until stopped by hard frosts. The **bulk** of the fall crop is **borne in October**.

Indian Summer is one of the **heaviest** growing plants of the red Raspberry varieties listed in this catalog. It does **well** in **zones up through IV**, and there are many favorable reports from **Zone V** in Minnesota. In the balance of **Zone V** and **Zone VI**, only small trial plantings are suggested. **See prices below.**

How to Grow Everbearing Red Raspberries

Everbearing Red Raspberries can be grown in either **hill or narrow hedge row** systems. Sites that **face the northeast** are preferable if the soil there is well drained. Everbearing berries of all sorts **require more moisture** than one-crop berries, but **neither can stand to have wet feet**.

Plants should be **firmed well** (use your heels) and planted about **2 inches deeper** than in the nursery.

Severe pruning, leaving only **an inch** of the **old stem** above ground, should be the rule on newly set plants. If planted in the fall, the canes should be **covered completely** with a few shovelfuls of earth. This can be worked down in the spring as soon as the weather is suitable.

A good **strong root system** is more important than tops on newly set Red Raspberry plants. Raspberry fruits are borne on canes that grew the **season before**, except the fall crop on everbearers. Thus it behooves the grower to see that **good, vigorous canes** are grown each year for the **next year's crop**.

Barnyard manures and commercial fertilizers used in **combination** and in **judicious amounts**, greatly **increase** the chances for a **successful crop**.

Weeds should be **kept out** of the berry patch. You can't raise **two crops** on the same ground. Better plant **half as many plants**, care for them and **get as many fruits**.

After harvest of the first crop, the **old canes** should be **removed** to give the young ones a **chance** to grow and bear in the fall.

It is often **beneficial** to cover canes in the winter by **plowing them under** a furrow of soil thrown from **both sides** of the row. While these canes are perfectly hardy, a **thawing out** in midwinter is often **damaging** to both canes and first crop.

LATHAM

Best Midseason Red

Latham is still **one of the best** one-crop red Raspberries that can be grown in the **LAND O' LAKES** area. Bearing in **midseason**, the berries are one of the best **market varieties** in the country today.

Introduced by the Minnesota Fruit Breeding Farm, this variety has been generally **accepted** throughout the country. It is a **sure and heavy cropper** throughout **northern** United States and southern Canada.

With reasonable care, Latham can be expected to **crop over several seasons**. With **good care** it will **last indefinitely**. It is exceeded in hardiness by few. It will succeed in **zones up through IV** in any location, and in **selected locations** in **Zone V**. For **Zones V and VI**, Chief (a Latham seedling) is recommended. (See next page.) Latham prices at right above.

Red Raspberries are Luscious Served With

SUGAR and CREAM

Freeze a Supply to Eat Fresh During Winter

PRICES FOR

Indian Summer

Latham

		PREPAID					NOT PREPAID		
		6	12	25	50	100	200	500	1000
{	2-yr., heavy	\$1.25	\$2.25	\$3.90	\$7.15	\$12.95	\$22.50	\$42.75	\$75.00
	1-yr., standard	1.00	1.75	3.15	5.70	10.45	18.00	34.20	60.00
{	2-yr., heavy	1.15	2.00	3.55	6.40	11.75	20.25	38.45	67.50
	1-yr., standard . . . .	.90	1.55	2.75	4.95	9.15	15.75	29.85	52.50

Latham



For the North
Try
EXTRA HARDY CHIEF
Early

Red Raspberry

For a Red Raspberry that will stand most of the rigors of the colder portions of the LAND O' LAKES area, Chief is the answer to your search.

Compared to Latham, Chief is not quite so large but just as heavy a cropper. It has an **excellent flavor, higher resistance to disease** and the ability to shift for itself better than many other sorts. For this reason it is one of the best for farm gardens. Introduced by the Minnesota Fruit Breeding Farm.

Chief also has another added recommendation, **earliness**, being enough earlier to **beat** many others to the market. Recommended for **all zones**. See prices below.



Chief

SUNRISE A Disease Resistant Early Red Raspberry

Developed by the U. S. D. A. in New Jersey, the Sunrise is a cross between Latham and Ranere. The Sunrise has shown a great deal of merit throughout the South where Red Raspberry growing is sometimes very difficult. It is

the earliest of Red Raspberries, for which it is especially valued and picks over a long season, often still in production as late as Latham's last berries are picked.

It is **highly resistant** to diseases and shows a remarkable resistance to **low** temperatures. The quality is described by the United States Department of Agriculture Circular 397 as being **better than Latham**, appearance not so coarse and with a bright red color. The berries pick easily.

Recommended for **zones up through IV**, and for **trial in Zones V and VI**. See prices at left.

PRICES FOR

		PREPAID					NOT PREPAID		
		6	12	25	50	100	200	500	1000
Chief	2-yr., heavy	\$1.00	\$1.75	\$3.15	\$5.70	\$10.50	\$18.00	\$34.20	\$60.00
	1-yr., standard ..	.80	1.35	2.35	4.25	7.85	13.50	25.60	45.00
Sunrise	2-yr., heavy	1.15	2.00	3.55	6.40	11.75	20.25	38.45	67.50
	1-yr., standard ..	.90	1.55	2.75	4.95	9.15	15.75	29.85	52.50

RECIPES FOR FREEZING RASPBERRIES

UNSUGARED PACK. With a few exceptions, fruit should not be frozen without adding some sugar or other sweetening material. Raspberries may be frozen without sugar for cooking, but a 4 to 1 sugar pack will retain quality better. If it is necessary to freeze Raspberries without sugar, the fruit may be crushed so that the juices will retard excessive drying of the tissues during storage. When frozen without sugar, berries for dessert use are the best thawed in sugar syrup.

SYRUP PACK. Prepare by dissolving the right amount of sugar in clean, cold water. The syrup must be cold when poured over the fruit. Leave a space one tenth the height of the container for expansion. Syrups made by dissolving less than 12 cups of sugar in a gallon of water may not properly preserve color and quality. Syrups must be freshly mixed and should not be allowed to stand for more than a few hours unless under refrigeration.

SUGAR PACK. Coat the fruit with dissolved sugar and fruit juice before freezing by stirring sugar and washed fruit together in a pan or large bowl. The normal amount of sugar used may be reduced, but the fruit's color and quality may not be protected if less than 1 pound of sugar to 5 pounds (4 quarts) of fruit is used. This is referred to as a 5 to 1 pack. A 4 to 1 pack would mean 4 pounds of fruit to 1 pound of sugar.

Which Red Raspberry Should I Plant?

The variety of Red Raspberry that you should plant depends on where you live and the care you will give them.

For the colder portion of the LAND O' LAKES area, Chief is the variety to plant. Where they are to be planted incidental to other farm work, Chief is again the best for its ability to compete with weeds and to stand overcrowding.

Where more care is to be given, Latham will do well in all except the very coldest portions of the LAND O' LAKES territory. Sunrise also needs more care than Chief and exceeds Latham somewhat in hardiness.



Sunrise

Full Directions for Planting With Every Order

LAND O' LAKES OTHER BRAMBLES

Recommends THESE

SODUS PURPLECAP

The best of the **purple** Raspberries. In over 10 years of trial in Minnesota, Sodus has never failed to yield a good crop. It ripens shortly after Latham. The **berries are large, firm, medium purple in color, sprightly and good in quality.**



The canes are extremely vigorous. It is hardy and drought resistant. It does not require winter protection in the southern portions of LAND O' LAKES area. Should be grown much like Black Raspberries.

Recommended for zones up through II, and in Zones III and IV with winter protection. **See prices below.**



Sodus

CUMBERLAND BLACK RASPBERRY

The **Cumberland Black Raspberry** is the variety by which all other Black Raspberries are measured. It is a heavy cropper and dependable in much of the LAND O' LAKES area, if given adequate winter protection by laying the canes down and covering them with earth.

The berries are **medium size, jet black, firm and of fine quality.** Recommended for zones up through I, and with winter protection in Zones II and III. **See prices below.**

ALFRED BLACKBERRY

One of the **earliest and most productive** of Blackberries, Alfred sometimes is called the coreless Blackberry because of the **small amount of core** when compared to others.

The **large jet black berries are very sweet and juicy.** They often reach a length of 1½ inches. It is a week to ten days earlier than Eldorado and much more productive. For best results, **winter protection is needed.** Recommended for zones up through I, and with winter protection in Zones II and III. **See prices below.**



Cumberland

Full
Directions
for
Planting
with
Every
Order

HOW TO GROW "OTHER BRAMBLES"

Culture of Purple and Black Raspberries are very similar due to the similarity of growth habits.

To produce large crops on easy to pick bushes, the new growth should have the ends pinched off when it reaches a **height of 24 to 30 inches.** This will usually be about **berry picking time** and may extend until the season is over. The new canes then branch.

In the spring, these branched canes **should have the branches pruned back to a length of 8 to 12 inches,** depending on the **number of branches** on the cane and the **vigor** of the cane. Leaving them all on will **decrease** the size of the fruit. Old canes **should be removed** as soon as they are **through fruiting.**

Rows are best spaced **4½ to 5 feet** apart or even more with the plants **3 to 4 feet** apart in the rows. Plants may or may not be supported. **A spraying program** to control anthracnose **should be followed** for all Black and Purple Raspberries.

Blackberries are planted, pruned and otherwise cared for in much the same manner as Red Raspberries. Both Blackberries and Black and Purple Raspberries **need laying down** and covering with earth for **winter protection** in the more northerly zones as indicated in the descriptions of varieties.



Alfred

PRICES FOR		PREPAID				
Cumberland (Black) Sodus (Purple)	}	6	12	25	50	100
		2-yr., heavy	2-yr., heavy	2-yr., heavy	2-yr., heavy	2-yr., heavy
		\$1.85	\$3.45	\$6.45	\$12.15	\$21.65
Alfred Blackberry	1-yr., standard	.80	1.35	2.35	4.25	7.85

CURRANTS and GOOSEBERRIES *for Jams Jellies*

NEW RED LAKE CURRANT

Easily one of the **best** Currants introduced in recent years, Red Lake has taken the country by storm wherever **Currant** jelly is appreciated and the plants can be grown.

From one end of the country to another, **praise** has been high of this Currant from the Minnesota Fruit Breeding Farm. It has **replaced** the old Perfection and is rapidly becoming the **standard** red Currant.

Big red berries are borne on **long bunches**, which characterizes this variety. The bunches are **well filled** to the tip. The exceptionally long stems on the bunches make them **easy to pick**. It ripens in **early** mid-season, but **holds** over a long period, making it **more desirable** for home or market.

The bushes are thrifty and **productive**. It is **easy to grow**. Every home garden should have a few bushes for **jelly** for the youngsters and **Currant pie** for all. Recommended for **all zones**. See prices below.

CASCADE CURRANT

Another **new** red Currant from the Minnesota Fruit Breeding Farm that **ripens a week earlier** than Red Lake. The berries and bunches are **large**.

Grows a little **more upright** than Red Lake and makes a splendid companion to it. **Plant both** to extend the season. Recommended for **all zones**.

CULTURE OF CURRANTS AND GOOSEBERRIES

Currants and Gooseberries should be set about **4 feet** apart in rows about **4 to 5 feet** apart. The **culture is easy**, the worst pest being the Currant worm which is **easily** controlled by **spray** or **dust**.

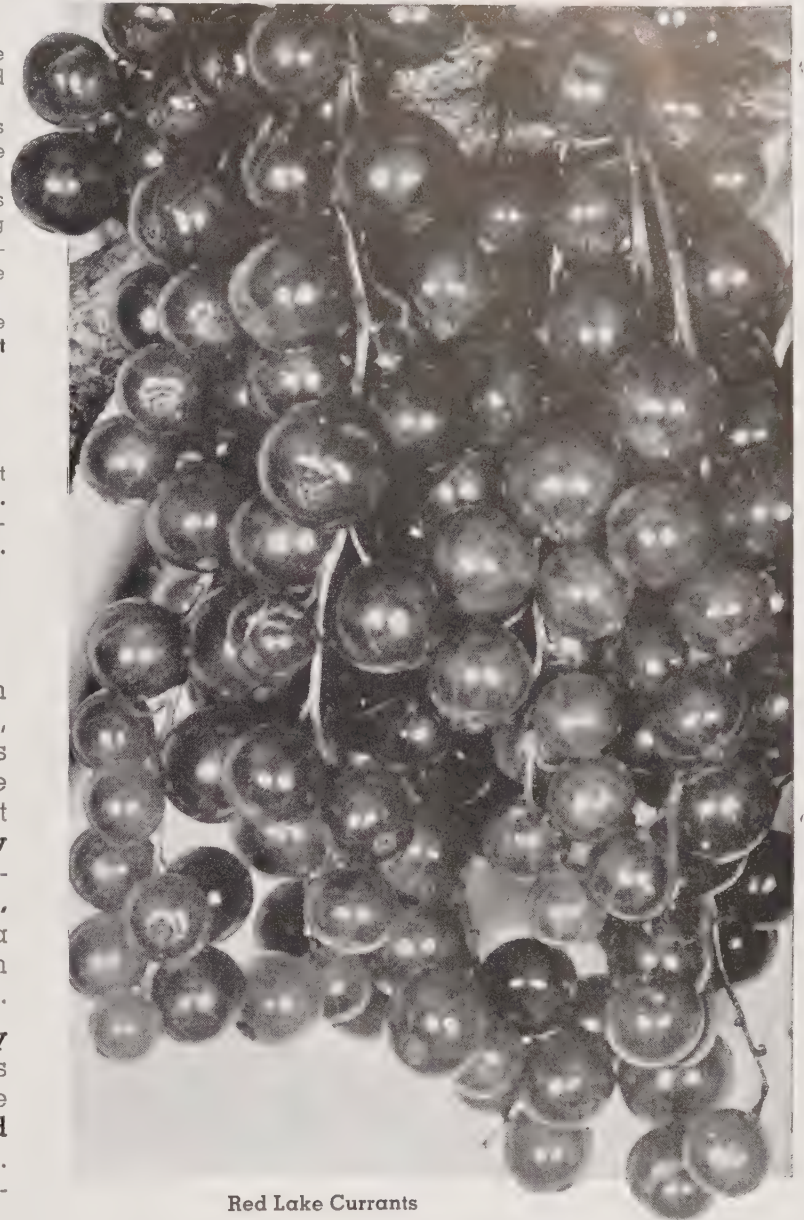
They are bushes and therefore, the most of the **pruning** should consist of the **removal** of just enough of the plant to let the air into the center. Gradually remove **over-age** wood from year to year. Really pruning consists merely of **thinning**. Never over a **third** of the wood should ever be removed in any **one year**.

Gooseberries will propagate readily from tips which may reach the ground and become covered. To **prevent** rows from becoming **too** thick, and approach a jungle in nature, these tips should be **re-moved** or not allowed to root.

PIXWELL GOOSEBERRY

Originated at the North Dakota Experiment Station, this variety does just what its name implies: **picks well**. The **long, slender, 2-inch** stems let the berries **hang well below** the branches and the relatively **few and soft** thorns, thus picking the fruit is a quicker and easier operation than on many Gooseberries.

Pixwell is extremely **hardy** and produces large bushes that **load up** with fruit. The berries are **large, oval and light green** when immature. They ripen to pink. Recommended for **all zones**.



Red Lake Currants

FRUITS FOR JELLY MAKING

Fruits must have **pectin and acid** in proper proportions for **good** jelly making. These change with maturity, **decreasing** as the fruit ripens. For this reason, it is **always best** to use a **mixture of slightly under-ripe and ripe fruit**, the under-ripe to furnish pectin and acid, and the ripe to furnish color and flavor.

At the **proper** stages of maturity, the following fruits have **both** acid and pectin in sufficient quantity to produce good jelly. Tart Apples, Crab Apples, Blackberries, Cranberries, Currants, Gooseberries, Grapes, Plums, and Raspberries, both black and red. Ripe Apples, some of the milder Plums and Grapes of the European type such as are cultivated on the West Coast, contain **sufficient pectin but lack acid**. Some other fruits contain the **necessary acid, but lack the pectin**. A combination of these two types of fruits **often** will make good jelly. Blends also result in **interesting** flavors and colors.

It is suggested that you **try** these following **combinations**: Crab Apples with Grapes, Currants, Gooseberries, Cherries, Strawberries, Raspberries, Plums or Blackberries; Currants with any of the other fruits; Gooseberries with any of the other fruits; tart Apples with any of the other fruits; or combinations with boughten fruits such as Quince.

If you have **no pectin-rich** fruit at hand to combine with one lacking it, **pectin can be added** by adding any one of the commercially prepared pectin extracts available on the market. If acid is needed, **lemon juice or powdered citric acid** will supply it.

Jelly making abilities of fruits are **affected by storage, variety, and conditions of production** such as temperature, rainfall and soil. As a general rule, **home grown** fruits are **best** because then one can **select** them at the **proper stage of maturity** and need not store them for periods of time which often happens with boughten fruit, thus decreasing its jelly making abilities.

Excellent **jams** can be made with the fruits mentioned above and several other fruits. Jams are generally **easier** to make than jellies and **go farther** when spread on bread for the kiddies.

PRICES—PREPAID

	Each	3	6	12	25
CURRANTS:					
Red Lake { 2-yr., heavy	\$0.65	\$1.85	\$3.20	\$5.85	\$10.00
{ 2-yr., light .....	.50	1.25	2.35	4.35	7.00
Cascade { 2-yr., heavy .....	.75	2.15	3.85	6.85	
{ 2-yr., light .....	.60	1.70	3.00	5.35	
GOOSEBERRY:					
Pixwell { 2-yr., heavy .....	.95	2.70	5.35	9.50	



Pixwell Gooseberry
Note the Long Stems, Easy to Pick

LAND O' LAKES Hybrid HARDY JUMBO Plums



Redcoat

REDCOAT Early New Freestone

The latest named introduction of the Minnesota Fruit Breeding Farm that has won acclaim from many other Experiment Stations in the Mid-West.

The fruit is **FREESTONE**, medium sized, prune-shaped, **ripens early** and is all **red**. The tree bears **heavily and regularly**. It is **very hardy** and recommended for **all zones up to and including Zone V**. Recommended for **trial in Zone VI**. (For pollinizers, see page 13.) **Prices below.**



EMBER Late Commercial

One of the best **late** Plums which is exceptionally fine for **dessert or canning**. It is **yellow** with an attractive **blush**. It hangs to the tree well and will keep well and in good condition for two or three weeks.

Ember is a Minnesota Fruit Breeding Farm introduction that is recommended for **commercial** planting in **zones up through IV**. Recommended for **trial in other zones**. (For pollinizers, see page 13.) **See prices below.**

**Full Directions for Planting
With Every Order**



Ember

MINN. No. 101 New

A new Minnesota Plum destined to go far in the Plum world. So new it has not been named, but so good in trials conducted so far that LAND O' LAKES is offering it to their patrons. It is not recommended for extensive commercial plantings until thoroughly tested, but certainly recommended for home planting.

Minnesota No. 101 is **red-skinned** and **yellow-fleshed**. It is of **very high quality** and **suitable for rough climates**. Recommended for **zones up through V**, and for **trial in Zone VI**. (For pollinizers, see page 13.) **See prices below.**



Minnesota No. 101

PRICES FOR
Ember
Minnesota No. 101
Pipestone
Red Coat
Superior

	1-4 ea.	5-9 ea.	10 up ea.
5-6 ft.	\$1.85	\$1.80	\$1.75
4-5 ft.	1.65	1.60	1.55
3-4 ft.	1.50	1.45	1.40

PIPESTONE Early—One of the Largest

One of the largest early Plums which is destined to replace Underwood. Begins to ripen the first week in August but ripens more uniformly than Underwood, which is Underwood's greatest fault. LAND O' LAKES lists this variety in preference to Underwood because of its many apparent advantages.

Pipestone is **very** productive and of **high** quality. The color is **red**. It is **excellent** for canning.

Pipestone is recommended for **all zones up to and including V**, and for **trial in Zone VI**. It also comes from the Minnesota Fruit Breeding Farm. (For pollinizers, see page 13.) **See prices above.**

SUPERIOR Large

The largest and **best** of the Jumbo Plums, but **too tender for northern plantings**. The fruit is **very large**, **red** and **delicious** to eat out of hand. The trees **bear early** and are **regular and heavy croppers**. It is one of the best for **home and market** where hardy enough. It also comes from the Minnesota Fruit Breeding Farm. Recommended for **zones up through III**, and might do in **favorable locations in Zone IV**. (For pollinizers, see page 13.) **See prices above.**

**Did You Order Pollinizers
for your
JUMBO PLUMS?**



Pipestone



Mount Royal Blue Plum

MOUNT ROYAL

A European Blue Plum

Now a blue European Plum is available for you in the variety **Mt. Royal**. Bred in Canada and tested at the Morden, Manitoba, Experiment Station, it has been proven hardy in most of Minnesota.

Just as good in quality as those fresh Plums from the West Coast, the Mt. Royal, however, is a little smaller. The trees are **very productive** and apparently **self-fertile**. The fruit is a beautiful blue and very good for preserving or jam. A welcome addition to LAND O' LAKES selections. Recommended for zones up through V, and for trial in Zone VI. **See prices below.**

PRICES FOR
Dietz
Mt. Royal

}	3-4 ft.	\$1.65 each
	2-3 ft.	1.45 each

NOT PREPAID

DIETZ PRUNE

A smaller, hardier edition of Mt. Royal is the Dietz Prune. Of very **high quality**, the Dietz is quite small, hardy and a **heavy cropper**. The fruit is a dark color, almost black, with a heavy blue "bloom." The flavor is sweet.

Especially fine for sauce and eating out of hand, it was introduced from Southern Russia. It is apparently **self-fertile**.

Recommended for **zones up through V**, and for **trial in Zone VI**. **See prices above.**



Dietz Prune

You Need Pollinizers for Hybrid Plums'

Pollinizer Plums are necessary for fruit setting on the Hybrid Plums listed on page 12. Be sure to include one or more pollinizers with your order for jumbo Plums. If you do not have good fruit sets in your present planting of Plums, you may need one of the pollinizers listed below. **The Jumbo Plums will not pollinate each other.**

SOUTH DAKOTA No. 27

Dropped by the fruit breeders at South Dakota State College, this variety was picked up as a pollinizer by the Minnesota Fruit Breeding Farm. It has proven its worth in Minnesota as an able pollinator of the Jumbo Plums. It is also valuable because the fruits are good in their own right, much better than most American Plums that are often used as pollinizers. Recommended in all zones where Jumbo Plums are grown. **See prices below.**

TOKA

A sister of Kaga, Toka equals its sister in size and quality. The fruit is a bright red with a blue "bloom." The flesh is yellow, firm, rich

and fragrant. It bears much heavier than Kaga and is just as good a pollinizer. Recommended for all zones. **See prices below.**

KAGA Apricot Plum

From the breeding work of Dr. N. E. Hansen of South Dakota, the Kaga or Apricot Plum was selected. It has a delicious, distinct flavor. A shy bearer in many localities; it, however, is a positive pollinizer for the Jumbo Plums. It is especially fine for jam or canning. Recommended for all zones. **See prices below.**

NOT PREPAID

PRICES FOR		1-4 ea.	5-9 ea.	10 up ea.
Kaga South Dakota No. 27 Toka	{	5-6 ft.	\$1.85	\$1.75
		4-5 ft.	1.65	1.55
		3-4 ft.	1.50	1.40

**Full Directions
for Planting
with Every
Order**



Kaga



STRAWBERRIES *for* LAND O' LAKES PATRONS

EVERBEARERS *Best in Cool Moist North*

EVERMORE—Formerly Minnesota No. 1166

A new everbearing Strawberry developed at the Minnesota Fruit Breeding Farm that has attracted much attention.

Evermore is unusually **hardy** and produces runners more freely than most everbearing varieties. When grown under the best of conditions, it is **very productive**. Even under less favorable conditions it **out-performs** most other everbearing varieties.

The fruit is long, smooth and **attractive**. It holds its **large** size uniformly throughout the season. Recommended for **all zones**. May need irrigation for **best** results in drier areas. **See prices below.**

Evermore

STREAMLINER

A much publicized new everbearing Strawberry that does best in the more southern zones of the **LAND O' LAKES** area. It is a good berry from the standpoint of flavor, size and color. It is **firmer** than most other everbearers, making it a good **shipping** berry. Recommended for **zones up through IV**. Will **not** take the rough treatment that Evermore will. **See prices below.**

GEM

An old favorite everbearer that is **still** hard to beat. Gem does **not** produce the amount of runners that many everbearers do, but the fruit is **high** in quality, and production is **good** under **adverse** conditions. Recommended for **zones up through IV**. **See prices below.**

These Strawberry plants are **FALL** dug, stored and shipped to you in the **SPRING** as **DORMANT** plants. Appearance not as good as spring dug plants, **BUT THEIR PERFORMANCE IS BETTER**. Full planting directions with every order.

STRAWBERRY PRICES—PREPAID

	25	50	100	250	500	1000
Dunlap	\$0.85	\$1.25	\$2.25	\$4.50	\$ 7.50	\$12.00
Premier	1.15	1.95	3.00	5.75	9.35	15.00
Robinson	1.15	1.95	3.00	5.75	9.35	15.00
Majestic	1.35	2.15	3.25	6.50	10.50	17.50
Evermore	1.85	2.75	4.35	9.50	15.75	
Streamliner	2.40	4.35	6.85	13.50	19.50	
Gem	1.50	2.50	4.00	7.50	13.50	

Full Directions for Planting With Every Order

STRAWBERRY CULTURE

Much has been said about the **time** of covering Strawberries with **mulch** for winter. Recent tests show that the **best time** is just the **last minute** before the **danger** of temperatures **dropping below 20 degrees above zero**.

Too early covering is just as bad as **too late**. Cover with about **6 inches** of good, clean straw (it will pack down to about 3 inches by spring) and then **rake** those spots in the spring that might have been covered too deeply **once over lightly** into the aisles.

Mulches serve **two** purposes. First **winter protection** and, second, **protection from grit** in the Strawberry shortcake.

Set berries about **1½ to 2 feet** apart in rows that are **4 feet** apart. Let the rows mat into a width of **2 or 2½ feet**, leaving plenty of **aisle space** for footwork in picking time.

Either remove all **late** formed runners that would make the plants in the row less than **6 inches** apart or **remove** them the following spring. **Any closer spacing will be to the detriment** of berry size and yield.

JUNE BEARERS *Best Where Summers Are Hot*

MAJESTIC

Indications are that Majestic may become one of the **leading** new June-bearing Strawberries. This is based on its **large sized** berries that are **scarlet-red** to the core and on the fact that the **fruit stems stand upright**, keeping the berries out of the dirt. One of the best for home use, it is suitable for **canning, table or quick freezing**. Widely adaptable, it is **very hardy** and easily grown. Recommended for **zones up through IV**, and for trial in Zone V. **See prices above.**

Majestic

PREMIER

An early variety of good quality. Fruits are **average** in size, **medium red** in color and **very attractive**. One of the **most popular June-bearers**, exceeded in widespread planting only by Dunlap. **Late blossoming** makes it a **surer bearer** than many other varieties. It is popular in home and commercial gardens. Recommended for **zones up through V**, and in favorable locations in Zone VI. **See prices above.**

Premier

DUNLAP

The old standby in June-bearers. Does **better in more places** than most kinds. Dunlap is often given as a "**shotgun prescription**" where adaptability of other varieties is unknown. Recommended for **zones up through IV**, and favorable locations in Zone V. **See prices above.**

Dunlap

ROBINSON

Many commercial growers are acclaiming the Robinson as the finest June-bearing variety now available. The berry is large and scarlet-red all the way through. It is firm and glossy, making it very attractive to the housewife. It bears abundantly and is classed as midseason to late. Good quality for canning and preserving.



New JUNE ROCKHILL STRAWBERRIES

Here is a **new variety** of June-bearing Strawberry that we feel to be one of the **best yet introduced**.

It is of **exceptionally high quality**, the color being a **deep shining red** that goes **way through the berry**.

The large berries begin to ripen just ahead of Dunlap and continue bearing through the Dunlap season.

Some of the features we like best about June Rockhill is that the **entire berry colors at one time**, thus **eliminating the white tips** that so many berries have. Also the fact that these berries **have no core** and that the Plants are **strong, vigorous and hardy**.

Those who have thrilled to the flavor of wild Strawberries will notice a resemblance in the fine flavor of this berry.

The foliage is **thrifty, fruit stems strong and vigorous**, thus holding the berries off the ground during ripening, giving you **clean berries**.

The United States Department of Agriculture rated the quality of this berry **EXCELLENT**.

Recommended for **all zones**—we urge you to try some of these **new June Rockhill** this spring.

PRICES—PREPAID

25 plants	\$2.35	250 plants	\$13.35
50 plants	3.95	500 plants	20.65
100 plants	6.65	1000 plants	33.35



GRAPES - for Northern Gardens

BETA

An older variety that is as **hardy as many wild Grapes**. The fruit is medium sized and bunches of good size. Blue-black in color, the quality is very good and ripening is early. **Makes excellent juice or jelly**. Recommended for zones up through IV. Needs protection in Zones V and VI.

FREDONIA

One of the better quality Grapes from the New York Experiment Station that is early enough to mature in southern areas of the LAND O' LAKES territory. Blue-black in color, it **ripens three weeks ahead of Concord**, the standard blue Grape for many years.

The quality compares favorably with Concord, but like that variety, needs winter protection when grown north of Zone I. With protection it is suitable for Zones II and III, but should not be grown in any other zones because of lack of hardiness.

LUSCIOUS TREE-RIPENED Hardy PEARS

PARKER PEAR

An introduction of the Minnesota Fruit Breeding Farm that has **steadily gained favor** in **Southern Minnesota** since its introduction.

The tree is **large, vigorous and free growing**. The fruit is **medium** in size, **smooth** and with a **medium thick skin**. The color is a **clear yellow with a blush**. The flesh is **tender, medium fine grained, juicy, sweet and of fine quality**. The fruit ripens early in September. For best pollination, **two varieties of Pears are required**.

Recommended for **zones up through II**, for **trial in Zones III and IV**, and for **limited places in Zone V**. See prices below.

PATTEN PEAR

A companion to the Parker Pear described above. Very similar in appearance, quality and growth. Both Pears are judged by many who have eaten them to be the equal or better than Bartlett. Better yet, they will grow in areas where Bartlett will not.

The Patten is especially blight-resistant, and with these two Pears in your orchard you should not want for this fruit. Ripening about the same time as the Parker, Patten can be grown in the same area and with the same limits as Parker.

Because Pears require two varieties for cross pollination and good sets of fruit, we recommend that both of these varieties be included in your order.

The culture of Pears is much like that of Apples, except that they can be planted closer together. See Apple culture on page 6 and prices below.

PEAR PRICES—NOT PREPAID

		1-4 each	5-9 each
Parker } Patten }	4-5 ft., 1-yr., not branched	\$1.65	\$1.55
	3-4 ft., 1-yr., not branched	1.40	1.30
	2-3 ft., 1-yr., not branched	1.15	1.05

GRAPE PRICES

		Each	3	6	10
Beta } Fredonia }	2-yr., heavy	\$0.40	\$1.15	\$2.15	\$3.40



RHUBARB and ASPARAGUS

VALENTINE RHUBARB

The Newest and Best Red Rhubarb

The latest and best of the Canadian Rhubarbs. **Extra red** and **extra sweet**, the new **Valentine** will be your favorite spring treat from the garden.

The Morden, Manitoba, Experiment Station reports it leading 25 varieties under test. The sauce is rated the **highest** texture smoothest and tenderest, with a pleasing flavor that has a slightly tart after taste.

Valentine is an unusual combination of high quality, vigor and richness of color. Recommended for all zones. **See prices below.**

How to Grow Rhubarb

Rhubarb is not difficult to grow for home or market. Plant in rows 4 feet apart and in the rows at 3-foot intervals. Plant the crown at ground level or slightly below. Give them a good watering and don't pull any stems the first year. The second year, pulling may be confined to a light pulling over a short period. From then on pulling should be just heavy enough to maintain good vigor and good crops from year to year. Rhubarb may become "clump bound" if not divided at 10- or 12-year intervals. High fertility is desirable for greatest production of high-quality tender stalks.

RHUBARB PRICES—PREPAID:

	Each	2	6
Canada Red	\$0.85	\$1.60	\$4.20
MacDonald .....	.60	1.10	3.00
Valentine	1.75		

ASPARAGUS PRICES:

		Prepaid			Not Ppd.
Paradise	25	50	100	1000	
2-yr.	\$1.35	\$2.45	\$4.00	\$18.00	
1-yr.	1.00	1.85	3.00	12.00	

CANADA RED

One of The Newest Red Rhubarbs

One of the newest Rhubarbs of Canadian origin. Its stems are **dark red** clear through to the heart and up the leaf. It is rated near the top in Rhubarb quality and now stands as the best of the widely distributed kinds.

Sauce from Canada Red is one of the sweetest and finest flavored red sauces that it is possible to produce. This year production of plants is such that the price is now down to within reason for the average home gardener. For top quality at moderate prices, Canada Red is tops. Recommended for all zones. **See prices below.**

MacDONALD

Older - But Still a Very

Popular Red Rhubarb

MacDonald Rhubarb is still very popular in the Rhubarb world. It originated in Canada, and is one of the best of the recently introduced varieties.

MacDonald is not as red as Canada Red, but will give a credible performance when made into sauce. Production is early and heavy. It gets into production quickly. Recommended for all zones. **See prices below.**



Canada Red



Valentine

PARADISE a New ASPARAGUS

An Asparagus with a built-in accelerator that gets into bearing a year earlier than older sorts. It is an exceptionally strong and vigorous producer. Production is high, sometimes nearly twice that of other kinds.

Paradise is the king of the quick freezers for it keeps its green color better, and retains a fresher flavor. **It is greener, better flavored, more tender.** Its popularity has increased greatly since its introduction just a few short years ago. Recommended for all zones. **See prices above.**



Paradise



Here is your big, new Land O'Lakes Feed and Seed Plant. It is now ready to serve you.

In this new plant you will find the latest word in cleaning, grinding and mixing facilities which assures you of top quality seeds and feeds.

We invite you to visit our modern and up to date research laboratories. Here you will find men and women on the job to make sure that Land O'Lakes products

are right before they are shipped to you.

Remember Land O'Lakes offers a complete line of feeds, seeds and fertilizers for *better and more economical farm production*. These Land O'Lakes products come from your own plant and are sold to you through your own Co-operative Creamery or feed store.

Always ask for Land O'Lakes! This name is your assurance that this product is up to date and also of the finest quality.

SEE YOUR LAND O' LAKES DEALER

● You should buy these products from your local dealer. If you are unable to do so send your order direct to the main Land O'Lakes office in Minneapolis. Your order will then be delivered through a Land O'Lakes dealer near you or direct from Minneapolis.

NOTE: See back page of this insert for complete list of products available.



HERE ARE LAND O' LAKES HYBRIDS FOR EVERY MATURITY ZONE

LOL No. 80—Relative Maturity 82-86 Days.
This early hybrid does a beautiful job in the Northern counties of North Dakota, Wisconsin and Minnesota. Unlike many early varieties, it is not flinty. It's very popular for grain purposes in this area, because the corn is starchy and of high feeding value. Our field tests in the past four years show this variety is an excellent performer.

LOL No. 85—Relative Maturity 86-90 Days.
This variety produces good-sized plants with a strong stalk and large, deep-kerneled ears. Its performance rating is exceptionally high and it produces a starchy corn of high feed value. It is not flinty.

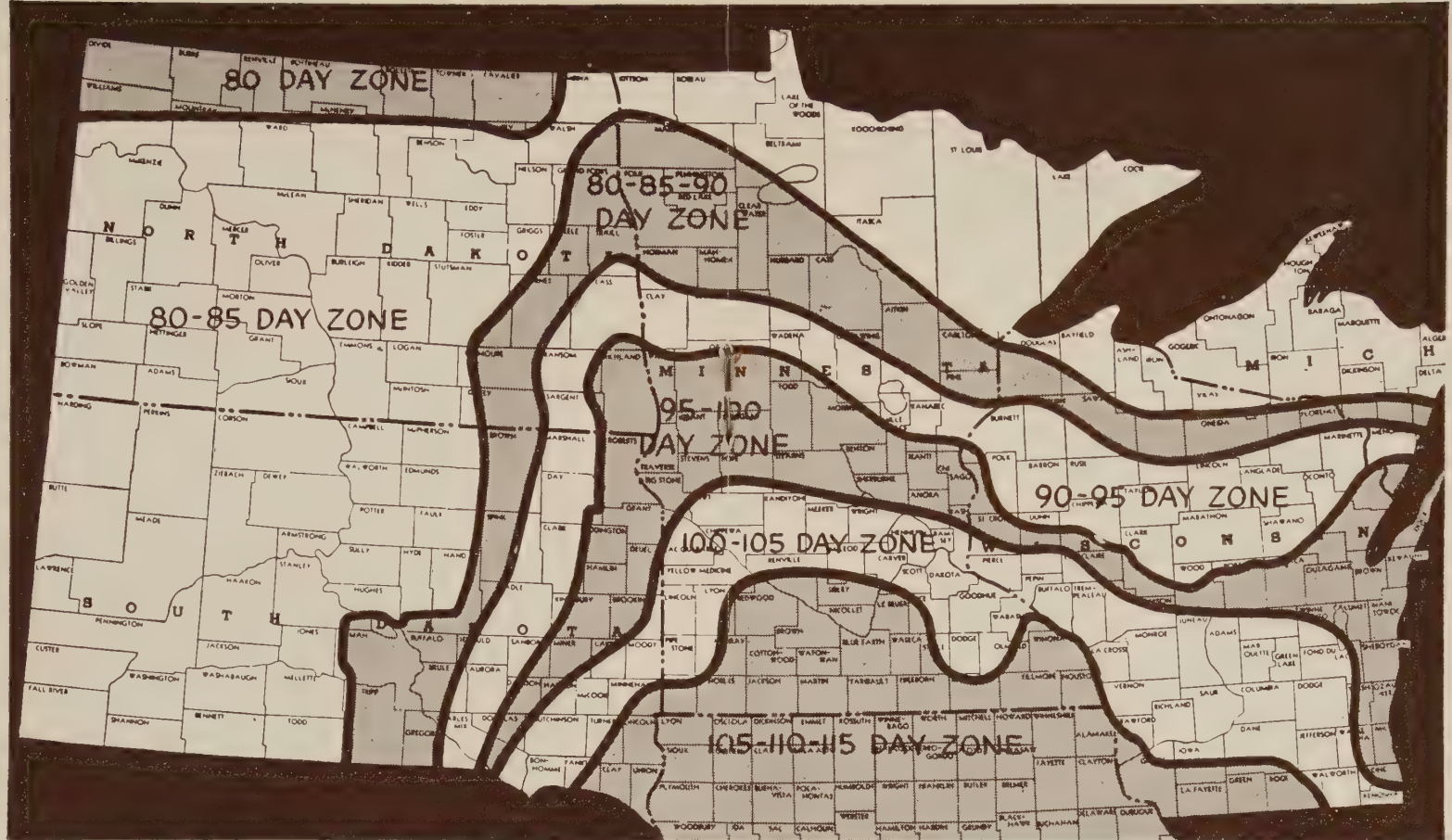
LOL No. 90—Relative Maturity 88-92 Days.
Seems to have a wide range of adaptability, often maturing in northern areas of Minnesota and Wisconsin, and also being very popular in the 95-day belt. Its starchy grain indicates good feeding value. Make this variety part of your program if you live in either one of these territories.

LOL No. 100—Relative Maturity 97-101 Days.
The most popular hybrid of all our varieties. Proof of the wide range of its adaptability is the fact that it has grown and safely matured as far north as Fergus Falls, and is also extremely popular in the southern section. It produces a plant 7½ to 8 feet tall, with long, deep-kerneled ears. It is resistant to drought and responds to normal growing conditions remarkably. Around Litchfield, Minnesota, many farmers report 95 bushels to the acre.

LOL No. 105—Relative Maturity 105-109 Days.
Through the years consistently high yields have been reported for this hybrid variety. You can depend on it to produce a large, sturdy plant. This variety is especially popular with farmers in the south central and in the southern maturity zones. It produces ears with an unusually high feeding value.

LOL No. 110—Relative Maturity 108-112 Days.
Here is a variety that has done remarkably well in south central and in southern Minnesota. Farmers in those areas, who have tried it, report it is a truly outstanding performer. This variety is especially noted for growing a very strong stalk and for producing corn of high feeding value. It's no wonder users of this variety have been so enthusiastic about the results.

Plant the Corn that is Acclimated to Your Territory



Courtesy Hudson Map Co.

KNOW YOUR GROWING SEASON

It's true that the later the corn variety, the greater is the yield *provided* it matures! You may fill the wagon box faster with late varieties, but you'll be playing safe to check the moisture before estimating your yield and cribbing your corn.
In the past few years, a great deal of high-moisture corn has been marketed. This is not due so much to weather conditions as it is to the fact that too much late corn has been planted.
Plant hybrids that will take full advantage of the growing season! Don't count on corn growing weather after

the first week in September. Growing seasons vary in length throughout the Northwest; danger of frost shortens the season in the northern areas. That's why in these sections, corn must mature in less time than is needed in the southern sections. For that reason, Land O' Lakes developed hybrids with "Timed Maturity."
Study this map. Locate your county. Then choose the hybrid recommended for your zone. Keep in mind the type of soil you have because corn responds better in some soils than in others. Your county agent will help you select the correct hybrid.

LOL No. 115—Relative Maturity 111-115 Days.
This hybrid variety is definitely among the very best for the southern Minnesota growing area. On farm after farm it has proven itself to be an exceptionally high producer of good, sound corn. It produces uniform, deep kerneled ears with no flintiness. From the knee-high stage right through to harvest time, it is a beautiful looking variety. No doubt about it. In its maturity zone LOL No. 115 is tops!

LAND O' LAKES HYBRID SILAGE BLENDS
Try these *proved* blends:
Blend No. 1—Relative Maturity 85 to 95 Days.
Blend No. 2—Relative Maturity 95 to 105 Days.
Blend No. 3—Relative Maturity 105 to 115 Days.
Round Grade Per Bu. \$7.00
Flat Grade Per Bu. 8.25
Land O' Lakes Hybrid Silage Corn is developed from blends of well-graded round kernels and small flat kernels. They are a combination of several regular Land O' Lakes Hybrids.

WE ALSO OFFER THE FOLLOWING STATE VARIETIES

- Wisconsin No. 255 and 240—Relative Maturity 80-84 Days.
- Minhybrid 801—Relative Maturity 84-88 Days.
- Wisconsin No. 279—Relative Maturity 84-88 Days.
- Wisconsin No. 355 and 341—Relative Maturity 90-94 Days.
- Minhybrid 607—Relative Maturity 92-102 Days.
- Minhybrid 503—Relative Maturity 104-108 Days.
- Minhybrid 404—Relative Maturity 108-112 Days.
- Minhybrid 406—Relative Maturity 112-116 Days.

LAND O' LAKES Six Perfect Grades Offered

	Per Bu.		Per Bu.
Large Flats	\$12.00	Large Rounds	\$8.00
Medium Flats	12.00	Medium Rounds	8.00
Small Flats	10.00	Small Rounds	8.00

PRETESTED Under Farm Conditions

- WILL IT GROW?**
Germinators reflecting day and night conditions are used. In addition a "cold test" showing strength of germination under cold, wet field conditions is run.
- WILL IT PLANT UNIFORMLY?**
Corn is run through planters same as you use while it is graded. Use planter plates shown on tag.
- WILL IT PRODUCE A GOOD CROP?**
Only outstanding State varieties are offered and all the Land O' Lakes numbers have been farm tested for over three years.

TIPS AND LEADS FOR BETTER YIELDS

What is the Best Rate of Planting?
Four seeds per hill is sound practice in fertile, productive soils, according to RALPH CRIM, of the University of Minnesota. Thus, three good plants per hill are assured. Sandy, low productive soils will support three seeds per hill. The average increase in yield per acre, based on 1941 tests in eleven locations was about three to four bushels.

LAND O'LAKES CREAMERIES, Inc.

FEED • SEED • FERTILIZER DIVISION

2201 KENNEDY STREET NORTHEAST • MINNEAPOLIS, MINNESOTA

STARTER AND GROWER MASHES

LOL Chick Starter and Builder
LOL Chick Growing Mash
LOL Turkey Starter and Builder
LOL Turkey Grower and Finisher

POULTRY CONCENTRATES

LOL 38% Mash Maker Concentrate
LOL 38% No-Mix Concentrate
LOL 26% Free Choice Grain Balancer

LAYING MASHES

LOL 20% Laying Mash
LOL 20% Kenwood Laying Mash
LOL 18% Lakeshore Laying Mash
LOL 22% Breeder Mash

SCRATCH FEEDS

LOL Coarse Scratch
LOL Medium Scratch
LOL Chick Scratch

DAIRY FEEDS

LOL Calf Meal 100s
LOL Calf Meal 25s
LOL 16% Dairy Feed—Grain Base
LOL 16% Dairy Feed—Screen Base
LOL 20% Dairy Feed
LOL 24% Dairy Feed
LOL 36% Dairy Concentrate

HOG FEEDS

LOL 16% Hog Feed
LOL 27% Sweetened Pig & Hog Meal
LOL 40% Hog Concentrate

MINERAL FEEDS

LOL Hy-Phos Mineral Feed
LOL Mineralized Salt

FLOUR AND MILL FEEDS

LOL Flour
Pure Wheat Bran
Wheat Std. Middlings
Wheat Flr. Middlings
Red Dog

MILK PRODUCTS

Dried Skimmed Milk
Dried Buttermilk
LOL Condensed Buttermilk

VEGETABLE PROTEINS

Linseed Meal
Soybean Meal
Gluten Meal
Gluten Feed
Corn Oil Meal
Cottonseed Meal
Copra Meal
Dehy. 17% Alfalfa Meal

ANIMAL BY-PRODUCTS

Meat Scraps
Tankage
Blood Meal
Steamed Bonemeal

MISCELLANEOUS PRODUCTS

Barn Lime
Rainbow Grit
Oyster Shells
Stonemo Grit
Calcium Carbonate
Binder Twine
8' Free Choice Feeders
Black Leaf 40
Wheat Germ Oil
Hygeno Litter
LOL Cattle Flyspray

GRAINS AND GRAIN PRODUCTS

Recleaned Whole Corn
Recleaned Cracked Corn-Hen
Corn Meal
Recleaned Whole Oats
Pulverized Oats
Rolled Oats
Steel Cut Oats
Ground Oat Groats
Recleaned Poultry Wheat
Recleaned Buckwheat
Recleaned Kafir & Milo
Recleaned Feed Millet
Ground No. 2 Feed

LAND O'LAKES FERTILIZERS

Nitrogen	Phosphate	Potash
4	16	16
0	20	20
4	24	12
0	30	15
4	12	24
0	12	36

32.5 Ammonium Nitrate

SEEDS

LEGUMES

Alfalfa	Alsike
Medium Red Clover	White Dutch Clover
Mammoth Red Clover	Ladino Clover
	Sweet Clover

GRASSES

Timothy	Red Top
Timothy-Alsike Mixtures	Meadow Fescue
	Blue Grass
Pasture Mixtures	Reed Canary Grass
Bromus	Lawn Grass Mixtures

FORAGE CROPS

Sorghum Cane	Siberian Millet
Sudan Grass	Hungarian Millet
Dwarf Essex Rape	Early Fortune Millet
German Millet	Japanese Millet

SOY BEANS

Manchu	Kabott
Mandarin	Flambeau
	Field Peas

SEED GRAINS

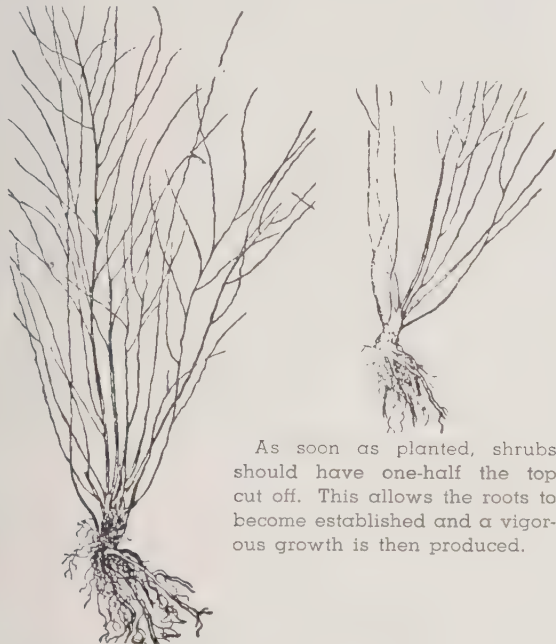
Red Wing Flax	Mida Wheat
Koto Flax	Clinton Oats
Buda Flax	Mindo Oats
Royal Flax	Bonda Oats
Crystal Flax	Marion Oats
Wisconsin #38 Barley	Ajax Oats
"L" Barley	Speltz
Mars Barley	Buckwheat

Beautify Your Home for Fuller Living

*Shrubs About the House
Indicate a Home Within*

PLANTING AND CARE OF NEW SET SHRUBS

Plant two or three inches deeper than they were in the nursery. Cut off one-third to one-half of the tops and **mulch** well. Very little pruning is needed after the first year. If the bushes get too tall, cut out early in spring near the base some of the oldest stalks and let the newer, short growth take its place. Shrubs that bloom in May and June should not be trimmed until through flowering for the season.



Shrub Before Being Pruned

As soon as planted, shrubs should have one-half the top cut off. This allows the roots to become established and a vigorous growth is then produced.

PRICES—NOT PREPAID

	Select	Standard
High Bush Cranberry	\$1.00	\$0.85
Russian Olive .....	.75	.65
Spirea Froebeli .....	.85	.75
Spirea Macrothyrsa .....	.85	.75

RUSSIAN OLIVE

A small tree or large shrub, depending on **location** and training. The grey-green foliage contrasts well with other greens or makes a good background for red-leaved shrubs such as Red-Leaved Barberry or Prunus Cistena ("Red Flash"). The plants are covered with fragrant, small, yellow flowers in spring. The fragrance is noticeable for some distance from them. They are very striking when bare in the winter. Recommended for **all zones**.



Russian Olive

SPIREA Macrothyrsa

A new Spirea that is rapidly replacing Spirea Billiardi. It is more floriferous, holds its heads more erect and the flowers more compact. It carries the same desirable pink color and is more desirable than S. Billiardi in every way. Recommended for **all zones**.



Spirea Macrothyrsa

HIGH BUSH CRANBERRY

5-6 ft. A handsome, upright shrub that bears an abundance of bright red berries (see at right below) that hang on all winter. The berries are not bothered by birds and make an excellent jelly. The shrub closely approaches a dual-purpose plant. They are covered with masses of white blossoms in the spring. Recommended for **all zones**.



High Bush Cranberry

Spirea Froebeli



SPIREA FROEBELI

18-24 in. A dwarf shrub for low plantings. The flowers are a bright rosy red, in flat clusters, produced in July and August. The foliage is purple-red in early spring and again late in the fall. It closely resembles Spirea Anthony Waterer but is hardier. Recommended for **all zones**.

You Can't Milk a Windbreak ~ BUT

MORE FEED NEEDED WHEN COLD WINDS BLOW

Minnesota Standard
Windbreaks Stop the Wind

The windbreaks recommended by **LAND O' LAKES** are based on the standard recommendations of the **University of Minnesota Extension Service**.

Illustrated at the middle left is a suggested windbreak layout which can be modified to meet your own requirements.

It is a proven fact that feed is saved and production is higher where windbreaks are planted effectively about the farm buildings. This is as true in the house as in the barn. Additional savings are had in lowered fuel costs for the house.

LAND O' LAKES has instituted other improvements in dairy production operation such as artificial insemination; using high quality bulls. Heifers from this breeding **cannot** be expected to show their stuff unless they are given the best conditions possible. **Mediocre care will only give mediocre production from the best of animals.**

To throw the throttle open far enough to get the most efficient production, a good windbreak is as essential as a good barn or a good ration. In fact, a good windbreak will make a **saving** in the pounds of feed fed to produce 100 pounds of milk and allow the use of less costly buildings.

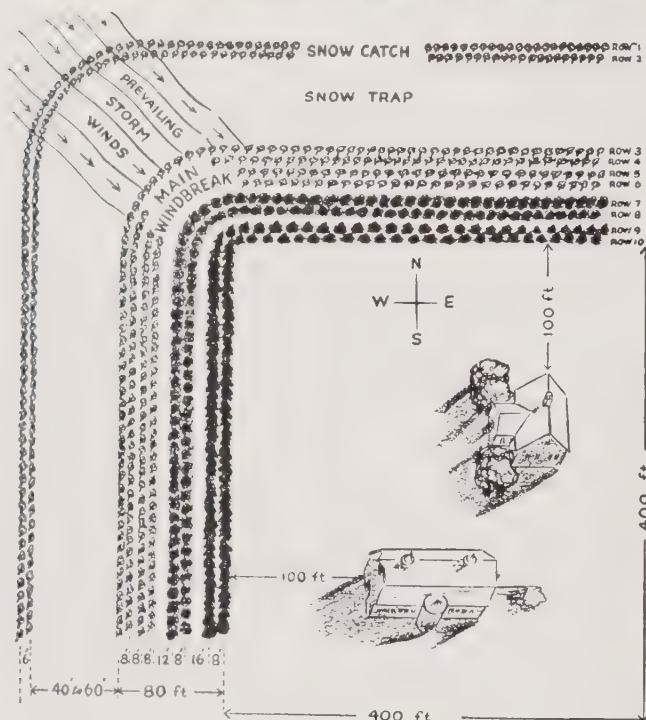
Cross Section View of the Modern Windbreak and Shelterbelt

This cross section view shows the importance of planting your windbreak as suggested by the plan at the left.

The two rows at the left are the snow catch. They hold back the snow while the other eight rows stop the cold wind. With the inside four rows of evergreens the cold winds just can't get through. The result is your farm buildings and stock are comfortable because they are protected.



Laurel Leaf Willow—Four Years After Planting



Varieties Suitable for Each Row

- Rows 1 and 2 Chinese Elm, Laurel Leaf Willow, or Golden Willow
- Rows 3 and 5 Norway Poplar or Soft Maple
- Rows 4 and 6 American Elm or Ash
- Rows 7, 8, 9, and 10 Evergreens—page 23

Recommended Spacing and Arrangement

The recommended spacing is to plant 2 rows of Chinese Elm, Laurel Leaf Willow or Golden Willow on the outside to form a snowbreak. Plant 4 feet apart in the row and 8 feet between rows.

Leave 60 feet for a snow trap, then plant 4 rows of Green Ash, Chinese Elm, American Elm, Norway Poplar, or Soft Maple spaced 6 feet apart in the row and 8 feet between rows.

Inside, plant 4 rows of evergreens 8 to 10 feet apart in the row and 16 feet between rows. The inside row of evergreens should be 100 feet from the farm buildings. This space and the snow trap give ample space to drop the snow and leave the buildings and yards free from drifts.

For solid woodlot plantings, set trees 8 to 9 feet apart each way. Ash, Elm, Norway Poplar, and Black Walnut are especially recommended for woodlot planting.

Full Directions for Planting With Every Order.



Green Ash

Windbreaks Will Make Milk



*Norway
Poplar
A Fast
Growing
Tree for
Woodlot
or
Windbreak*

CONTOUR WINDBREAKS IN DRY REGIONS

SEE YOUR LOCAL SOIL
CONSERVATION TECHNICIANS

Windbreaks in **LAND O' LAKES** drier areas and hilly regions should be **planted on the contour** to get the maximum growth and best protection.

Before you plan your windbreak in such places, contact your local **Soil Conservation Service** office for their advice and technical assistance in the layout. It is just as **important to contour** your windbreak as any other crop on your farm.

Besides, in regular farm cropping you have the opportunity to change rows from square to contour every year. When a windbreak is planted wrong, it stays wrong for years.

If it's sensible to contour farm crops, it's more sensible to contour windbreaks where sod crops can't be grown to help hold the soil and moisture.

A young Norway Poplar windbreak along an Apple orchard. Placed on the west and south of an orchard, it cuts off the hot summer winds. Such windbreaks are highly desirable in the hotter and drier sections of the **LAND O' LAKES** territory. The Norway Poplar is one of the **fastest growing and hardiest trees**. It is one of the **quickest sources of fence posts and lumber**. Recommended for **all zones**.

AMERICAN ELM. This is a selected upland strain that is recommended by conservationists for shelterbelts and woodlots. Very hardy, long lived and beautiful. It is highly drought resistant and will grow in almost any soil. Recommended for **all zones**.

CHINESE ELM. The hardy **Siberian** strain that grows rapidly, even in poor soil. Their low growing and dense branching habit make this strain of Chinese Elm one of the best windbreak trees to stop the wind and drifting snow. Recommended for **all zones**.

RUSSIAN GOLDEN WILLOW. A very colorful fast growing Willow that is recommended for the "snow catch" rows and also for **summer** windbreaks. The bright yellow-barked twigs are especially colorful in winter when the trees are planted in masses. Recommended for **all zones**.

LAUREL LEAF WILLOW. Not too common to windbreak work, but proving to be one of the best. Ideal for the "snow catch" rows because of its **dense** branching habits from the ground up. The heavy, glossy, dark green foliage hangs late into the fall, thus giving added protection. Can be used from 60 to 100 feet back from roads, driveways or lones as a snow fence if planted **3 feet** apart. Recommended for **all zones**. (See photo on page 18.)

BLACK WALNUT. This is a hardy strain of the Minnesota Black Walnut. A group of these trees might well be on every farm where they are adapted. They are easy to grow and give a fine supply of **high quality nutmeats** for the kiddies to crack out on a cold winter evening. Black Walnut logs bring a small fortune and grow fast for such high quality hard wood. Recommended for **zones up through IV**.

GREEN ASH. Most dependable of all trees for windbreak or woodlot. Quick growing, long lived and excellent for lumber or fence posts. Will grow on almost any soil. Our strain of Ash is a hardy Dakota strain that has proven to be drought resistant, dense, and durable. Recommended for **all zones**. (See photo on page 18, lower left.)

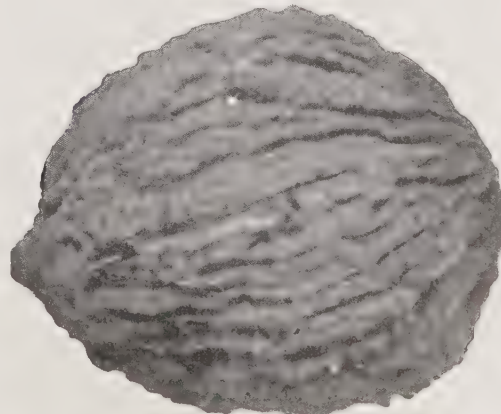
SOFT MAPLE. A very hardy native tree that is fast growing, especially on good soil. It gives almost immediate effect because of its rapid growth and dense foliage. It is sometimes called Silver Maple. Recommended for **all zones**.

RUSSIAN OLIVE. A small tree that is suitable for the "snow catch" rows. Its grey-green foliage and small yellow flowers in the spring make it a desirable **ornamental** as well. Recommended for **all zones**.

WINDBREAK PRICES—Not Prepaid

	50	100	500	1000
Norway Poplar				
3- 4 ft.	\$9.65	\$15.95		
2- 3 ft.	7.45	12.35		
18-24 in.	6.25	10.35		
American Elm				
3-4 ft.	3.95	6.65	29.85	58.65
2-3 ft.	2.65	4.35	19.85	39.65
Chinese Elm				
2- 3 ft.	3.95	6.65	29.85	58.00
18-24 in.	2.95	4.95	22.85	44.00
12-18 in.	2.45	3.95	18.35	35.00
Russian Golden Willow				
3- 4 ft.	5.45	8.95	39.95	78.00
2- 3 ft.	4.45	7.35	33.65	64.00
18-24 in.	3.35	5.45	24.95	48.00

	50	100	500	1000
Laurel Leaf Willow				
3- 4 ft.	\$5.35	\$8.75	\$39.85	\$78.00
2- 3 ft.	3.85	7.25	33.25	64.00
18-24 in.	3.35	6.15	25.35	48.00
Black Walnut				
12-18 in.	5.95	9.85		
Green Ash				
12-18 in.	1.75	3.35	15.35	28.85
6-12 in.	.85	1.20	5.25	9.85
Soft Maple				
3- 4 ft.	5.85	10.65	51.35	98.65
2- 3 ft.	5.25	7.85	35.85	69.85
18-24 in.	3.85	6.95	33.65	65.35
Russian Olive				
2- 3 ft.	8.35	13.65		
18-24 in.	5.45	8.85		



Full Directions for Planting
With Every Order

*Windbreak Evergreens
on Page 23*

SHRUBS *for the* NORTH



Rose Tree of China

Rose Tree of China

6-7 ft. Double, pink flowers appear in the spring before the leaves on this earliest of flowering hardy shrubs. Grown as a dwarf tree, it is completely covered by the flowers, giving the appearance of little pink Roses. Recommended for **zones up thru IV**, and in **protected places in Zone V**, for **trial in Zone VI**.

Zabeli Honeysuckle

8-10 ft. One of the new Honeysuckles said to be the nearest to red of all. Blooming in May, the flowers are followed by bright red berries. Beautiful, attractive, suitable for specimen or hedge planting. (For hedge sizes, see page 26.)

Recommended for **all zones**.



Zabeli Honeysuckle

Full Directions for Planting With Every Order

Prunus Cistena



Prunus Cistena

"Red Flash"

4-5 ft. This is the most brilliant of the larger red-leaved shrubs. Shown at the left in a tree form, it is much preferred by **LAND O' LAKES** as a shrub that branches from the ground. A delicate pink flower appears in early spring followed by the rich red leaves that last throughout the season. Makes an excellent contrast against grey-green leaved shrubs such as Russian Olive. For best color, plant in full sun. Recommended for **all zones**.

May Day Tree (Prunus Padus)

10-12 ft. In most of **LAND O' LAKES** territory this early flowering Cherry should be trained as a **large shrub** that branches from the ground. In more southerly areas, training into a tree form is usually the rule. Either way, it is covered with a mass of white flowers in early May followed by Choke-Cherry-like fruits. It is very fragrant when in flower. Recommended for **all zones**.

DWARF NINEBARK. 3-4 ft. A delightful **new** shrub of the Spiraea family suitable for hedges (see page 26) or foundation planting. A mass of white flowers is borne in June followed by pinkish fruits that form yellow seed pods as they ripen. Recommended for **all zones**.

VIBURNUM LENTAGO. 6-8 ft. A fast growing, tall shrub with thick foliage. Excellent for background planting. White flowers in spring are followed by black, **edible** berries that hang on to the bush all winter. Recommended for **all zones**.

GOLDEN LEAF ELDER. 6-7 ft. Its bright, golden foliage throughout the summer gives the impression of continuous bloom. Large, white flower heads appear in July followed by berries that turn black when ripe. Recommended in **all zones**.

RED BUSH HONEYSUCKLE. 8-10 ft. Red flowers in May are followed by red berries that ripen in mid-summer, clinging to the bushes for weeks. Very attractive to birds. Recommended in **all zones**.

Wheeling Red Honeysuckle (New)

8-10 ft. One of the newer Honeysuckles that will give Zabeli Honeysuckle a run for its money. They are very similar and only time will tell which is best. Certainly we wouldn't attempt to. For the **LAND O' LAKES** area they are about of equal value. Planting either one is not a mistake. Zabeli is more plentiful at present. Recommended for **all zones**.

*Prices
on
Page 21*



Wheeling Red Honeysuckle

SELECTIONS *Made for* LAND O' LAKES

"Snowflake" Mockorange

New Patented Double Mockorange

10-12 ft. The **newest** and best Mockorange yet introduced. It is as hardy as it is beautiful. The plants are quick growing and rugged. It thrives in ordinary soil, in sun or partial shade. Recommended for **zones up through IV**, and for **trial in Zones V and VI**.

VIRGINAL MOCKORANGE. 6-7 ft. Up until the introduction of "Snowflake" Mockorange, Virginal was the best to be had. Still a beautiful semi-double Mockorange, it has its place. Recommended for **zones up through III**, and for **trial in Zones IV and V**.

RED-LEAF BARBERRY. 2 ft. This is the red-leaved form of Thunberg's Barberry. For best color, plant in full sun. Striking by itself or against Russian Olive. Recommended for **all zones**.

BARBERRY THUNBERGI. 3 ft. This rust-resistant Barberry is popular for hedges (see page 26) or as specimen shrubs. The bright green foliage turns reddish bronze in autumn. Bright red berries remain on the plants all winter. Recommended for **all zones**.

KOREAN CHERRY. 3-4 ft. A highly ornamental dwarf Cherry. A **dual-purpose** shrub, it is very desirable for foundation plantings or as flowering specimens. Order **two** varieties to insure pollination (see page 3 for fuller description). These are budded plants, not seedlings. Recommended for **zones up through V**, and for **trial in Zone VI**.

COTONEASTER, BLACK-BERRIED. 5-6 ft. A very useful shrub for specimen planting. The dark green, glossy foliage turns bronze in autumn. The black berries hang on all winter. Does well in shade. Recommended for **all zones**.

VARIEGATED CORNUS. 6-7 ft. A graceful shrub with blood-red twigs and variegated foliage. Makes a splendid contrasting effect in the shrub border. Recommended for **all zones**.

HYDRANGEA, A. G. (Hills of Snow). 3-4 ft. This large-flowered, white, showy shrub blooms in July and August. It will do in a shady location. Best if cut to the ground each spring. Recommended for **zones up through IV**, and for **trial in Zones V and VI**.

HYDRANGEA P. G. 3-4 ft. This old-fashioned, large-flowered Hydrangea blooms in September with flowers turning pink as they age. Not as hardy as Hills of Snow. Should **NOT** be pruned to the ground in spring as Hills of Snow. Recommended for **zones up through III**, and for **limited trial in Zone IV**.

JUNE BERRY (Serviceberry). A **dual-purpose** shrub with the fruits resembling the Blueberry. Makes a fine substitute for **LAND O' LAKES** patrons who cannot grow Blueberries. Blossoms are white, unripe berries red, turning to blue when ripe. Plant **two** to insure fruit setting. Recommended for **all zones**.

SNOWBERRY, WHITE. 2-3 ft. A compact form of that popular white-berried shrub. Does well anywhere, but best in shade. Flowers are rose-pink in June and July. Recommended for **all zones**.

SPIREA VAN HOUTTEI. 5-6 ft. The common Bridal Wreath. An old reliable, useful in border or foundation. Its white flower clusters are borne in profusion in May and June. Recommended for **all zones**.

TAMARIX (Lace Tree). 6-7 ft. A beautiful, fine-foliaged shrub colored bluish grey. Flowers are pink, borne in large clusters above the foliage. Recommended for **zones up through III**, and in **protected places in Zone IV**.

FRENCH PUSSY WILLOW. 8-10 ft. Branches of this fine shrub can be cut and "forced" in late winter in the home. Fuzzy, grey, large catkins appear before the leaves. Recommended for **zones up through III**, and for **trial in Zones IV and V**.

Lilacs

FRENCH. 6-8 ft. The most gorgeous of all the large blooming shrubs. These French Hybrids **do not** sucker like the common Lilac. The varieties that follow are recommended for **all zones**.

Alphonse Lavallee. Double. An excellent dark blue variety.

Chas. Joly. Double. A top flight variety in the dark purple-red class.

Chas. X. Single. Deep red. Flowers profusely. Best of its class.

Mme. Lemoine. Double. The best pure white. Contrasts well with Chas. Joly or Alphonse Lavallee.

Pres. Grevy. Double. One of the best light blue French Lilacs.

CHINESE, Red. One of the most beautiful Lilacs in cultivation. A fine addition to your Lilac collection. Very hardy, rich red and blooms profusely in late May. Recommended for **all zones**.

VILLOSA. A late blooming Lilac that blooms in late May or early June. Has distinctive leaves. A dark Lilac in color. Recommended for **all zones**.

Lilac Prices Below.

French Lilacs

Snowflake Mockorange

**Full Directions
For Planting
With
Every Order**

Virginal Mockorange

Red-Leaf Barberry

SHRUB PRICES

	Select	Standard		Select	Standard
Barberry, Red-Leaf	\$.90	\$.75	Lilac, French	\$2.15	\$1.65
Barberry, Thunbergi	.75	.65	May Day Tree	.75	.65
Cornus, Variegated	.85	.75	Mockorange, Snowflake	1.50	1.25
Cotoneaster, Black-Berried	.85	.75	Mockorange, Virginal	1.35	1.00
Elder, Golden	.75	.65	Ninebark, Dwarf	.75	.65
Honeysuckle, Tartarian Red	.75	.65	Prunus Cistena (Red Flash)	1.50	1.25
Honeysuckle, Wheeling Red	.75	.65	Rose Tree of China	1.75	1.50
Honeysuckle, Zabeli	1.00	.85	Snowberry, White	.75	.65
Hydrangea P. G.	1.35	1.10	Spiraea Van Houttei	.85	.75
Hydrangea, Hills of Snow	1.40	1.15	Tamarix Hispida	.75	.65
Juneberry	1.00	.85	Viburnum Lentago	.95	.85
Korean Cherry	1.65	1.35	Willow, Pussy (French)	.55	.45
Lilac, Chinese	1.35	1.00			
Lilac, Villosa	.85	.75			



SPECIMEN EVERGREENS *Dress Up* YOUR HOME

JUNIPER

CHANDLER'S SILVER. A fine bluish silver foliated variety selected from the Colorado Juniper. It has a medium habit of growth and holds its color well throughout the winter. It may be sheared or grown naturally. Recommended for **all zones**, but does best in the **drier** portions of the **LAND O' LAKES** area.

SUTHERLAND. This is another grafted variety of the Colorado Juniper but has a dark green color and a compact spire-like growth. One of the most popular of the Colorado varieties. It is recommended for **all zones**, but does best in the **drier** portions of the **LAND O' LAKES** area.

PFITZER. One of the finest of the spreading Junipers. It is spreading and bushy in habit. The color is a grey-green and the foliage presents a feathery appearance. It is especially adapted to low group plantings, foundation plantings or rock gardens. It is especially hardy, so recommended for **all zones**.

SAVIN. This spreading Juniper is more erect than Pfitzer's and gives a slightly different effect in foundation plantings. It grows fanlike and carries its dark green foliage unchanged in color at all seasons. Savin does especially well in smoky areas and will stand heavy trimming. Recommended for **all zones**.



Mugho Pine

PINE, DWARF MUGHO

A little, low, ball-shaped evergreen that is ideal for foundation or entrance plantings. The new spring growth looks like multitudes of tiny candles. To keep the Mugho Pine compact, shearing can be done at the time the new growth is about two or three inches long. Recommended for **all zones**.

Full Directions for
Planting With Every Order.



PRICES OF EVERGREENS —Not Prepaid

Each	Each
Arbor-Vitae, American	Juniper, Savin
3- 4 ft., B&B ... \$6.25	18-24 in., B&B ... \$6.25
30-36 in., B&B ... 5.00	15-18 in., B&B ... 5.25
Arbor-Vitae, Pyramidal	Pine, Mugho
3- 4 ft., B&B ... 8.00	18-24 in., B&B ... 6.50
30-36 in., B&B ... 6.25	15-18 in., B&B ... 6.00
24-30 in., B&B ... 5.00	12-15 in., B&B ... 5.00
Arbor-Vitae, Siberian	Spruce, Black Hills
18-24 in., B&B ... 6.50	30-36 in., B&B ... 10.00
15-18 in., B&B ... 5.25	24-30 in., B&B ... 8.00
Juniper, Chandler's Silver	Spruce, Colorado
3-3½ ft., B&B ... 13.00	Blue Shiner
30-36 in., B&B ... 9.50	30-36 in., B&B ... 11.50
Juniper, Sutherland	24-30 in., B&B ... 9.00
3-3½ ft., B&B ... 13.00	18-24 in., B&B ... 8.00
30-36 in., B&B ... 9.50	Spruce, Colorado Blue
Juniper, Pfitzer	30-36 in., B&B ... 9.00
18-24 in., B&B ... 6.75	24-30 in., B&B ... 7.50
15-18 in., B&B ... 6.25	18-24 in., B&B ... 6.00

B&B means roots balled in earth.

SPRUCE

Black Hills. A very hardy, easy-to-grow Spruce. Probably better than Colorado Spruce for average planting because of lack of being particular. The Black Hills rivals the Colorado Blue Spruce in popularity. Carries a heavy, thick foliage. Symmetrical in growth. Good for specimen and windbreak (see page 23) plantings. Recommended for **all zones**.

Colorado Blue. A most Popular evergreen with variation in colors from deep green to bluish (see "Shiners" below). These trees are all grown from seed of select blue "Shiners," but will vary in color. Recommended for **all zones**. (For windbreak sizes, see page 23.)

Colorado Blue Spruce "Shiner." A Colorado Blue Spruce selected for its bright slate-blue coloring. Recommended for **all zones**.

ARBOR-VITAE

American. A broad-based evergreen that can be sheared into nearly any shape but globe. They make nice lawn specimens when kept sheared or are fine in foundation plantings. They are thick and compact. Recommended for **MOISTER** portions of **all zones**. (For windbreak sizes, see page 23.)

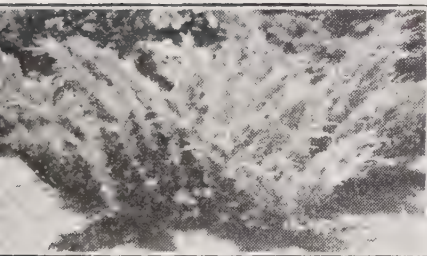
Pyramidal. This Arbor-Vitae grows in a naturally columnar form. The very dense, dark green

foliage makes it a striking evergreen for an entrance planting. They give a finishing touch to any planting. Recommended for the **MOISTER** portions of **all zones**.

Siberian. A compact, broad, cone-shaped evergreen easily kept sheared to a globe shape. The dark green color makes it ideal for foundation planting. Color is kept throughout the winter. Recommended for **MOISTER** portions of **all zones**.



Chandler's
Silver Juniper



Savin Juniper



Pfitzer Juniper



Colorado Blue Spruce



Black Hills Spruce



Siberian Arbor-Vitae

Pyramidal Arbor-Vitae

Evergreens Make Effective Shelterbelts

GREAT NEED FOR FEED AND FUEL-SAVING SHELTERBELTS

The need for feed and fuel saving shelterbelts are great in the **LAND O' LAKES** territory. Just as deciduous trees are needed in the outer rows of windbreaks or shelterbelts (see pages 18 and 19), so evergreens are needed in the inner rows to do a good job of stopping the wind. Deciduous trees act as snow stoppers and with the snow catch area keeps the wind-blown snows out of the evergreens where boughs could be broken off by heavy snow loads caused by drifting snow.

A good job of stopping the wind means less trouble about the barnyard, less feed to grind or hay or silage to pitch to the cows. Barns will stay warmer during winter and so will your house.

If you keep chickens, the value of a windbreak is just as great as for other farm animals. A warmer chicken house means more eggs.

Farming is just as competitive a business as any in the country. The farmers who can produce the most efficiently, are going to have more of the luxuries of life to enjoy or more money for old age or be able to stay in the business when others fail.

Farming is no longer a "rule of thumb" business, but one in which farmers must learn to cut all corners and get increased production for less. Shelterbelts are just one of the means of cutting costs.

SHELTERBELT AND WINDBREAK EVERGREENS

American Arbor-Vitae. (For windbreaks or hedging.) A very good evergreen for the inside rows of the windbreak in **LAND O' LAKES MOISTER** areas. It sometimes is used in place of deciduous trees in the very outside "snow catch" rows because of its ability to keep its branches clear to the ground. Does best in moist soils. Recommended for **MOISTER** portions of **all zones**.

Douglas Fir. One of the best. (Also called Douglas Spruce.) A very thick, fast growing evergreen that, while more expensive than some evergreens, more than makes up the difference in cost by the speed of growth. It is the ideal windbreak evergreen; hardy, quick growing, thick foliage and adapted to all but very wet soils. It will take plenty of drought. Recommended for **all zones**.

Black Hills Spruce. Another good windbreak tree and highly ornamental as well with its bluish tinted foliage. Will do well in poor, dry soils, and carries nearly as thick a foliage as the Douglas Fir. Ease of establishment is one big factor in its favor. Recommended for **all zones**.

Colorado Spruce. Recommended for the inside row of the windbreak because of its beauty and slower growth than Douglas Fir or Black Hills Spruce. They are drought resistant and many times very blue specimens will show up in this variety. Recommended for **all zones**.

(All Windbreak Evergreens are Shipped Bare Root, Wrapped in Moss.)

WINDBREAK PLANNING SERVICE

This service will help you plan your windbreak, by selecting the proper varieties for your soil and conditions, by laying out the planting areas showing locations of all plants and trees necessary for the building of this windbreak. A detailed estimate sheet will accompany the plans to show sizes of plant material and the cost of the various sizes. With these plans you will have complete information for establishing your windbreak.

To take advantage of this service, send in a sketch of your farm drawn to scale, showing location of buildings, drives and fields. Indicate the directions of the compass. We must also know the type of soil and the amount of money you can devote to this important improvement.

A small charge of \$2.50 is made for this service. However, this amount is credited on windbreak orders of \$25.00 or more. So this windbreak planning service really costs you nothing.



SHELTERBELT EVERGREEN PRICES

	Not Prepaid			
	10	25	50	100
Arbor-Vitae, American				
15-18 in.	\$7.95	\$16.35	\$29.85	\$58.35
12-15 in.	6.65	13.35	24.85	47.85
Fir, Douglas				
18-24 in.	Not available for 1948			
15-18 in.	Not available for 1948			
Spruce, Black Hills				
15-18 in.	10.25	22.35	42.25	82.35
12-15 in.	8.85	17.85	33.35	64.85
9-12 in.	7.65	15.35	28.35	54.85
Spruce, Colorado				
15-18 in.	10.25	22.35	42.45	82.35
12-15 in.	8.85	17.85	33.35	64.85
9-12 in.	7.65	15.35	28.35	54.85

EVERGREEN SPACING

Spacing of Evergreens is discussed with the deciduous windbreak discussion on page 18. Planting instructions will accompany your order. The illustration below is taken from the booklet. Read the booklet before you plant your trees.



Deciduous Windbreak
Material Described on
Pages 18 and 19





Green Ash

Ash

GREEN ASH. A splendid tree, rapidly becoming recognized as one of the best for lawn or specimen planting. It is symmetrical, clean, drought resistant and long lived. You will be well pleased with its performance as a shade tree. Recommended for all zones. Prices at right.

MOUNTAIN ASH. A symmetrical round-headed tree suitable for specimen planting on the lawn. White flowers in the spring are followed by clusters of orange berries that hang on well. It does well on most soils. Recommended for all zones. Prices at right.

Chinese Elm



Lawn Trees for Sheer Beauty

Birch

Weeping Cut-Leaf Birch. A graceful tree that can be grown wherever White or Paper Birch can be grown. Use as a specimen or in clumps and plant in moist locations. The delicately cut foliage, silvery white bark and gracefully drooping branches make it a very outstanding tree. Recommended for **MOISTER** portions of all zones. Prices at right below.

White Birch. The tree from which canoes were once made. A graceful tree with slender branches and silvery white bark. It is very effective when planted in clumps or among evergreens. Well adapted to moist soils and therefore recommended for **MOISTER** portions of all zones. Prices at right below.

Hackberry

Hackberry. A very popular tree, its branches are often full of "witches broom" which makes it a very unusual appearing tree. They are a very tough, hardy tree. They grow tall and broad. Branches are seldom broken by the wind. Leaves are a bright and shiny green. Recommended for all zones. Prices at right below.

Linden (Basswood)

American Linden. Becoming more popular as a shade tree. It grows rapidly, is perfectly hardy and is very ornamental. The tree is pyramidal in form, has large leaves and fragrant flowers. Recommended for all zones. Prices at right.

Locust

Honey Locust (Thornless). A fast growing, highly ornamental tree that does not have the objectionable thorns of the Black Locust. The foliage is lacy, distinctive (like many other members of this legume family) and light green, turning a clear yellow in the fall. The greenish yellow flowers are somewhat hidden by the foliage. The large, flat pods that follow are very ornamental. Recommended for all zones, but inclined to be tender in Zones V and VI. Prices at right.

Elm

American Elm. One of the very best lawn trees because grass will grow all the way to the trunk. Typically vase-shaped and upright, it is one of the most universally used trees. Does well almost any place. Very good where performance is wanted. Recommended for all zones. Prices at right above.

Chinese Elm. Introduced not many years ago, this hardy Siberian strain grows rapidly even in poor soil. It is especially valuable in the colder, drier portions of the **LAND O' LAKES** area. Recommended for all zones. Prices at right above.

Minneapolis Park Elm. A selected grafted variety of American Elm. The Minneapolis Park system uses this type for their boulevard and park plantings. They make a uniform growth and are recommended for all zones. Prices at right above.



Birch

SHADE TREE PRICES

Not Prepaid

ASH, GREEN	Select	Standard
6-8 ft.	\$1.60	\$1.15
5-6 ft.	1.20	.85
BIRCH, CUT-LEAF WEEPING		
6-8 ft.	6.00	
5-6 ft.	5.00	
BIRCH, WHITE		
6-8 ft.	1.95	1.75
5-6 ft.	1.75	1.55
HACKBERRY		
6-8 ft.	2.25	1.45
5-6 ft.	1.50	1.20
LINDEN, AMERICAN		
6-8 ft.	2.95	2.75
5-6 ft.	2.25	1.95
LOCUST, HONEY (Thornless)		
8-10 ft.	3.00	2.25
6-8 ft.	2.50	1.85
MT. ASH		
8-10 ft.	4.00	3.25
6-8 ft.	3.00	2.50
ELM, AMERICAN		
8-10 ft.	1.85	1.65
6-8 ft.	1.50	1.15
5-6 ft.	1.25	.85
ELM, CHINESE		
8-10 ft.	1.85	1.50
6-8 ft.	1.55	1.20
5-6 ft.	1.30	.85
ELM, MINNEAPOLIS PARK		
8-10 ft.	3.20	
6-8 ft.	2.75	

American Elm



SHADE TREES *for* LAND O' LAKES PATRONS

Maples

HARD OR SUGAR MAPLE. One of the most beautiful shade trees in America. It shows great character all season and in the fall bursts forth with brilliant yellow, orange or scarlet coloring of its dense foliage. For long life, beauty and performance, the Hard Maple cannot be surpassed. Recommended for **all zones**. Prices at right below.

NORWAY MAPLE. In appearance much like the Hard or Sugar Maple, except the leaves are a **darker** green and hold to the tree longer in the fall than other Maples. Has nearly as rich a fall color as Hard Maples. Grows in a symmetrical dome-shaped form. Recommended for **all zones**. Prices at right below.

SCHWEDLER MAPLE. The **red-leaved** form of the Norway Maple. New growth in the spring is purplish crimson and during the summer the leaves are a distinctive bronze-green. Use as accents on the lawn. The head is round. Recommended for **all zones**, but inclined to be tender in Zones V and VI. Prices at right below.

SOFT OR SILVER MAPLE. Where shade or specimen trees are needed in a hurry, the Soft or Silver Maple is right there. Competes favorably in rate of growth with Chinese Elm. However, they prefer better soils. Recommended for **all zones**. Prices at right below.

Poplars

BOLLEANA POPLAR. Hardier and longer lived than the Lombardy Poplar. It closely resembles it in form of growth. It has deeply lobed leaves that are silvery beneath, giving it a silvery flash in the breeze. Recommended for **all zones**. Prices at right.

LOMBARDY POPLAR. Its tall, upright growth makes this tree very useful as an accent or screen tree. Grows rapidly and is very hardy. Branches grow close together and upright to form a tall, slim column. Recommended for **all zones**. Prices at right.

Lombardy Poplar

hardy. Branches grow close together and upright to form a tall, slim column. Recommended for **all zones**. Prices at right.

NORWAY POPLAR. Another fast growing tree, especially suited for the drier parts of the **LAND O' LAKES** area. It has a conical shape, and large leaves that ripple in the wind. Good for quick effect, shade and lumber. Recommended for **all zones**. Prices at right. (For windbreak sizes, see page 19.)

Willow

NIOBE WEeping. The hardiest of all Weeping Willows. It makes an excellent lawn tree or for planting along the banks of streams or pools. Its graceful weeping form is accented by bright yellow bark. For something different, plant a Niobe Weeping Willow. Recommended for **all zones**, but not too dependable in Zones V and VI. Prices at right.

Walnut

BLACK. A regal, native tree prized for its valuable timber and nuts. An exceptionally rapid grower for such valuable wood, it is excellent as a large specimen shade tree for the lawn. Recommended for **zones up through IV**. Nuts will not mature in other zones. Prices at right.



Niobe Weeping Willow

SHADE TREE PRICES—Not Prepaid

	Select	Standard
Maple, Hard or Sugar		
6-8 ft.		\$1.60
5-6 ft.		1.40
Maple, Norway		
7-8 ft., not branched		2.25
6-7 ft., not branched		1.75
Maple, Schwedler		
7-8 ft., not branched		4.75
6-7 ft., not branched		3.35
Maple, Soft or Silver		
8-10 ft.	2.35	1.65
6-8 ft.	1.65	1.45
5-6 ft.	1.35	1.25
Poplar, Bolleana		
6-8 ft.	2.35	
5-6 ft.	1.85	
Poplar, Lombardy		
8-10 ft.	1.65	1.25
6-8 ft.	1.25	.85
5-6 ft. ....	.85	.75
Poplar, Norway		
10-12 ft.	2.25	1.95
8-10 ft.	1.95	1.40
6-8 ft.	1.25	.95
Walnut, Black		
5-6 ft.	2.65	2.00
4-5 ft.	2.25	1.50
Willow, Niobe Weeping		
8-10 ft.	3.00	2.50
6-8 ft.	2.50	1.45
5-6 ft.	1.25	1.00

Flowering Crabs

Improved Bechtel's

12-16 ft. This is an improved form of the old Bechtel's double flowering native Crab. The trees are **fuller and pinker** than the older strain at blossom time. Perfectly hardy, it gives the impression of being full of **innumerable** little, double, pink Roses. A tree will make a fragrant bouquet for any lawn. Recommended for **all zones**. See prices below.

Red Silver

12-15 ft. This is a **highly** ornamental Crab that can give a splash of color to any planting. The tree is **red** in leaf, flowers and fruit. The contrasting silver underside of the leaves gives it an **extra flash** in the breeze. A very desirable tree. Recommended for **all zones**. See prices below.

Dolgo

12-15 ft. This is the best of the **dual-purpose** Crabs. Originally introduced for its excellent jelly and jam making fruits, Dolgo soon became **recognized** as one of the **top** ornamental Crabs as well. Beautiful **snow-white** flowers are borne in the spring, followed by **bright red** fruits. (See front cover and page 5.) Recommended for **all zones**. See prices below.

Bechtel's Improved

	Select	Standard
4-5 ft.	\$2.65	
3-4 ft.	2.35	
2-3 ft.	1.95	
Dolgo		
5-6 ft.	1.40	
4-5 ft.	1.15	
3-4 ft. ....	.85	

	Select	Standard
Hopa		
5-6 ft.	\$2.75	\$1.95
4-5 ft.	2.00	1.65
3-4 ft.	1.65	1.45
Red Silver		
5-6 ft.	2.75	1.95
4-5 ft.	2.00	1.65
3-4 ft.	1.65	1.45

Add Beauty at Apple Blossom Time—Plant Flowering Crabs

Hopa

12-15 ft. Up to the present time, Hopa is the **most beautiful** Flowering Crab for the North. It develops into a beautiful lawn specimen, medium sized, and one that fits into almost **any place** it is put. Strikingly ornamental with **blood-red** buds and large, single, **deep rose colored blossoms**, it also produces useful fruit. While the fruit makes excellent jelly, its value for that purpose does not quite reach the high plane of Dolgo. Recommended for **all zones**. See prices below.





Gold Flame Honeysuckle

blue-green foliage. Will climb or spread as a ground cover. If pruned, it becomes a striking specimen shrub. Recommended for all zones. 2-yr., select, \$1.00 each; 2-yr., standard, 85c each, postpaid.

HONEYSUCKLE, SCARLET TRUMPET

An old favorite among vines. It bears clusters of trumpet-shaped, bright red flowers in profusion. An excellent vine. Recommended for all zones. 2-yr., select, 2 for \$1.35; 2-yr., standard, 2 for 95c, postpaid.

CLEMATIS JACKMANI

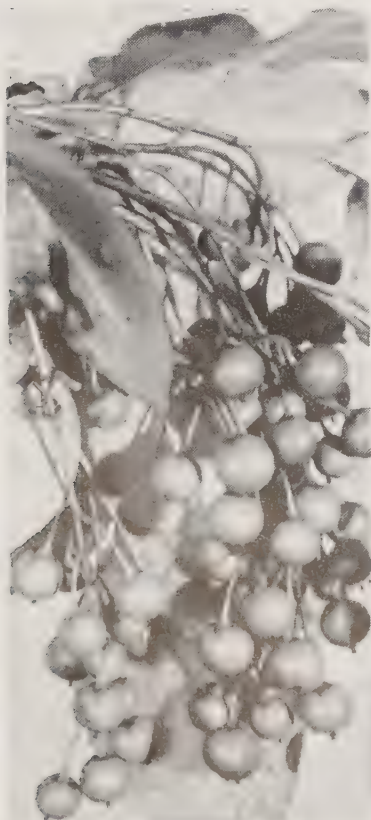
Another old favorite that carries large purple blooms that often reach 6 inches across. May kill to the ground in winter if unprotected, but comes back in summer with blooms. For best bloom, cover in early winter. Recommended for all zones. 2-yr., select, \$1.25 each, postpaid.

ENGLEMANN IVY

A clinging vine for covering stone or brick walls. The bright green leaves turn a beautiful rich red in the fall. Recommended for all zones. 2-yr., select, 2 for \$1.35; 2-yr., standard, 2 for 95c, postpaid.

BITTERSWEET

One of our best native vines. Bears much-sought-after orange-red berries suitable for winter bouquets. Needs some help in climbing. Several vines should be planted because each plant carries only one sex in its flowers, thus both sexes are necessary for fruitfulness. Recommended for all zones. 2-yr., select, 2 for \$1.20; 2-yr., standard, 2 for 55c, postpaid.



Bittersweet

VINES and HEDGES

GOLD FLAME Honeysuckle

This brilliant red and gold colored climbing Honeysuckle reaches full brilliance of blossom in early summer, but flowers abundantly from May to frost. Flowers the same year as planted. Dark

BARBERRY

THUNBERGI. Ideal for low, compact hedges and seldom bothered by children or dogs because of its thorny character. The foliage is a clean, bright green which turns to a fiery red in the fall. Bright red berries hang on the bushes all winter. Does not harbor rust. (For specimen plants, see page 21.) Recommended for all zones.

18-24 in., 25 for \$6.35; 50 for \$11.95; 100 for \$22.50.
12-18 in., 25 for \$4.35; 50 for \$7.95; 100 for \$15.00.
Not Prepaid

CHINESE HEDGEWOOD

For low to tall hedges the Chinese Hedgewood is unexcelled. Can be let grow tall for a "screen" for undesirable scenes or to secure privacy in the outdoor living room. Stands cold and heat. The fine bright green leaves appear early and persist late. Recommended for all zones.

18-24 in., 25 for \$3.65; 50 for \$6.85; 100 for \$12.85.
12-18 in., 25 for \$3.35; 50 for \$6.35; 100 for \$11.35.
Not Prepaid

BLUE LEAF HEDGE

Out of the ARCTIC comes this NEW hedging plant, Blue Leaf Hedge. It does well in almost all situations. It will make a very nice 2-foot by 2-foot hedge if left untrimmed, or make a very fine, low, trimmed hedge. A beautiful silvery blue-green, feathery foliage never before seen in hedges. Recommended for all zones.

18-24 in., 25 for \$6.65; 50 for \$12.65; 100 for \$23.85.
12-18 in., 25 for \$5.35; 50 for \$9.95; 100 for \$18.65.
Not Prepaid

Full Directions
For Planting
With
Every Order.



Low Hedges Can be Made of Blue Leaf, Barberry and Ninebark

DWARF NINEBARK

Another new hedging plant that is dwarf and stands much abuse is the Dwarf Ninebark. Its beautiful green foliage is topped by large clusters of white flowers in the spring. Reddish fruits follow that turn dark purple later on. Suitable for untrimmed or trimmed hedges or specimen planting. (For specimens, see page 20.) Recommended for all zones.

Size:	25	50	100
12-18 in.	\$8.15	\$15.35	\$28.65

Not Prepaid

ZABELI HONEYSUCKLE

Now proven to be one of the best shrubs for medium to tall hedges, the new Zabeli Honeysuckle will thrive under all conditions. Dark red flowers are borne in May followed by bright red berries. It grows 8 to 10 feet tall if left untrimmed. Quick growing, it makes a screen in a hurry. (Specimen sizes on page 20.) Recommended for all zones.

Size:	25	50	100
18-24 in.	\$6.65	\$17.65	\$23.85
12-18 in.	5.35	9.95	18.65

Not Prepaid



Tall Hedge Can be Made of Zabeli Honeysuckle or Chinese Hedgewood

Glorious Gladiolus for NORTHERN GARDENS

Bulbs Grown for LAND O' LAKES

Gladiolus bulbs that are grown in the LAND O' LAKES area for LAND O' LAKES patrons are found on this page and the page following. They have been selected for general **excellence, popularity and newness**. You will find some of the more moderate priced older kinds sprinkled in along with higher priced new ones. All are the same high quality and will give pleasure to amateur and "specialist" alike. **All bulbs offered are blooming size bulbs.**

ALL GLADIOLUS PRICES ARE PREPAID

Write for prices on larger quantities

Algonquin. A brilliant scarlet Glad with well formed florets on a tall spike. **10 for 80c; 3 for 30c.**

Alsace. A fine ruffled, buff-apricot with a cream throat. A large flower with heavy foliage. Tall. **10 for \$1.60; 2 for 40c.**

Amador. A sparkling red Glad. Fine for home garden and cut flowers. Heavy substance, perfect placement, a good grower and a large number of flowers open at once make this a top variety. **10 for 80c; 3 for 30c.**

Barcarolle. A large, ruffled, clear orange mid-season Glad that opens 6 to 7 florets. A good older variety. **10 for 75c; 3 for 27c.**

Beltrami. One of the novelty "smokies." A golden brown blending to rose-mulberry. Blooms early midseason. **10 for \$1.60; 2 for 40c.**

Bit o' Heaven. A nice tall, orange variety that makes a fine home cut flower. **10 for 80c; 3 for 30c.**

Brightside. A very early flowering, small decorative with a medium yellow throat and shades to a deep orange on the edge of the petals. A beauty. **10 for 75c; 3 for 27c.**

Buckeye Bronze. A rich ruffled bronze variety. One of the newer introductions. **10 for \$1.60; 2 for 40c.**

Burma. A large, heavily ruffled, deep rosy purple with a lighter throat. Opens up to 10 florets at once. **10 for \$4.00; 50c each.**

Centennial. The color is a practically clear soft scarlet. A very good color and grower. **10 for \$1.05; 3 for 39c.**

Chamouny. A cerise-rose with silver edged petals giving a beautiful effect. A medium to large sized flower with a distinctive color. **10 for \$1.60; 2 for 40c.**

Charles Dickens. A tall, brilliant purple variety with a dark throat blotch. A good popular variety. **10 for 80c; 3 for 30c.**

Charmaine. A clear rose Glad with a darker throat. Flowers early and is a fine cut flower. **10 for \$1.20; 2 for 30c.**

Colonial Maid. Light lavender flowers are borne on tall, strong stems. Ten to eleven medium sized florets open at once. **10 for 80c; 3 for 30c.**

Commando. A new large scarlet formal type Glad. Opens six or more florets on a tall, straight spike. **10 for \$8.00; 80c each.**

Dream Castle. Another new Glad. Pink with a creamy white throat, eight to ten round, medium sized florets open on a tall stem. **10 for \$4.80; 60c each.**

Early Melody. A pale lavender of unusual beauty. A tall grower, it flowers in midseason. A popular cut flower. **10 for 75c; 3 for 24c.**

Elizabeth The Queen. A very large, beautiful, ruffled lavender with deeper throat markings. Opens 7 to 8 florets. **10 for \$2.00; 25c each.**

Ethel Cave Cole. A light pink Glad with slightly deeper rosy throat. Up to eight large, wide florets open at once. **10 for 80c; 3 for 30c.**

Glamis. A clear salmon-rose with cream lips. Six to eight large, wide, needle-point florets open at once. **10 for \$1.60; 2 for 40c.**

Halloween. Brilliant, clear orange, blending into a red throat. Somewhat ruffled. Early. Supply limited. **2 for 40c.**

Kenwood. A pure red. Grows tall and strong. Opens perfectly, even when cut in tight buds. Supply limited. **2 for 40c.**

King William. A soft salmon-apricot blending to a clear, cream throat. Tall, healthy and vigorous. **10 for \$1.05; 3 for 39c.**

Lavender Prince. Deep lavender with an even deeper throat. Beautifully ruffled, well placed florets on a tall, strong spike. **10 for \$6.00; 75c each.**

Liberator. Rich scarlet Glad. Well formed florets make it a nice cut flower. **10 for \$1.05; 3 for 39c.**

Mandaleen. A light pink with an outstanding sheen, blending to a creamy white throat. A good variety. **10 for \$1.60; 2 for 40c.**

Marquerite. Bright salmon-pink with a creamy yellow throat that is slightly feathered. Tall, strong spike. **10 for \$1.20; 2 for 30c.**

Marseillaise. A glowing crimson-scarlet with narrow cream lines in the throat. Tall, straight spikes. **10 for \$2.80; 35c each.**

Melrose. A rose-red, closely approaching an American Beauty shade. Beautifully ruffled, good grower and nice cut flower. **10 for \$2.40; 30c each.**

Mercury. Brilliant, clear vermilion-scarlet. Strong, tall grower. One of the most brilliant reds. Midseason. **10 for \$2.80; 35c each.**

Miss Wisconsin. Medium deep rose-pink. Blooms late midseason and opens an excellent spike of six to eight florets. Supply limited. **80c each.**

Neils Jensen. Salmon-pink, blending to a deep yellow throat. Consistent producer of fine spikes. **10 for \$2.00; 25c each.**

Peggy Lou. A bright rose with a slight peppering of cream and deeper rose in the throat. Long flower head. **10 for \$1.05; 3 for 39c.**

Pink Paragon. Bright pure pink with a cream throat. A fine grower that opens five to six 4-inch florets at once. **10 for \$2.00; 25c each.**

Sensation. A bright, medium sized, rose colored flower. A tall grower that produces large, impressive spikes late in the season. **10 for \$1.20; 2 for 30c.**

Snowbank. A fine, ruffled white with a creamy throat. Opens several florets on a long spike. **10 for 95c; 3 for 36c.**

Sweetheart. A waxy, frilled, excellent pure pink with a white throat. Medium flowers are borne early. Fine for cutting. **10 for 65c; 3 for 24c.**

Van Gold. A new, deep yellow self without markings. An excellent cut flower and very early. **10 for \$6.00; 75c each.**

Vulcan. Large, medium purple with faint mid-rib lines that add to its beauty. Opens 5 to 7 nice florets at one time. **10 for \$2.80; 35c ea.**

Full Directions for Planting With Every Order

WATERING

Gladiolus benefit from irrigation during dry weather. Crooked stems or crooked spikes of bloom are caused by **drooping during a hot, dry day** and recovery at night or following a rain. Water before "flagging" starts and **THOROUGHLY WET** the soil to a depth of **6 to 12 inches or deeper**—the equivalent of at least **one inch of rainfall**. A light sprinkle that merely wets the **surface** of the soil is **harmful**. Cultivate just enough to **keep the weeds down** and a **crust** from forming on the surface of the soil.

BULB STORAGE

Glad can be left in the ground until danger of freezing in. Slightly earlier digging is preferred.

Cut the tops off and store in a **cool, dry shed** or garage in **shallow trays** until they have ripened. After this fall curing and drying, the bulbs may be stored in the same trays in a **COLD, DRY** basement. **Moderate** moisture is not damaging.

Sprinkle **10% DDT** powder among the bulbs at storing time in generous quantities to discourage thrips. In the spring, **previous** to planting, **soak** for **15 to 30 minutes** (keeping the bulbs stirred) in a solution of **1 (one) ounce of New Improved Ceresan** to **3 gallons of water**. This is the same disinfectant often used on seed grain. The addition of **3 teaspoons of a "spreader"** or a wetting agent such as Dreft, etc., is highly desirable.

Plant the bulbs **immediately** after dipping, draining only enough to handle well. This controls both disease and insects on the bulbs.





Full Directions for Planting With Every Order



"Glads" PICKED for YOU

LAND O' LAKES picked these varieties of Glads as being among the best moderately priced varieties available.

ALL GLADIOLUS PRICES ARE PREPAID

Write for prices on larger quantities.

- Blaze.** Light scarlet, self-colored flower. Opens six florets on 4-foot spikes. A very good cut flower. 10 for 80c; 3 for 30c.
- Changeable Silk.** A large decorative. Color is a blended old rose and silver. Flower is beautifully ruffled. 10 for \$1.20; 2 for 30c.
- Edward Greig.** A light blue. A good color. Very vigorous grower. 10 for \$1.60; 2 for 40c.
- King Lear.** Clear, deep reddish purple with a silver edging. Large, ruffled florets are of the richest hue. 10 for 75c; 3 for 27c.
- King Midas.** Medium sized, deep yellow florets with a small red throat blotch, somewhat recurved and fluted. Tall and good cut flower. 10 for 80c; 3 for 30c.
- Lavinia.** Beautifully ruffled, rich, lustrous pink. Florets reach 6 inches across. Petals have heavy substance. Tall. 10 for 80c; 3 for 30c.
- Leading Lady.** Creamy white with slightly deeper cream throat. Large florets are borne on tall spikes. Good cut flower. 40c ea.
- Leona.** A rose-red with a straight wiry stem. Blooms late mid-season. A good cut flower. 10 for 80c; 3 for 30c.
- Margaret Beaton.** Large, decorative, snow-white Glad with orange-scarlet throat blotch. Fine cut flower. 10 for 75c; 3 for 27c.
- Master Myron.** Large, clear, self-colored, rich red Glad with a glistening sheen. Florets are well placed on tall, straight spikes. 10 for \$1.60; 2 for 40c.
- Mrs. Marks Memory.** Giant decorative, reddish violet Glad. Small, dark carmine blotch on lower petal. Well placed florets and massive spike. Excellent exhibition variety. Illustrated at right. 10 for \$1.20; 2 for 30c.
- Parnassus.** A rich, deep purple variety that opens four to five 6-inch, round, ruffled florets. Small cream flecks in throat. Tall. 10 for \$1.20; 2 for 30c.
- Rudolph Serkin.** Dark, velvety Pansy-blue. The large florets have excellent form and fine substance. 10 for 80c; 3 for 30c.
- Silver Sword.** An excellent pure white that opens eight to ten 6-inch, well placed florets on a tall spike. 10 for 80c; 3 for 30c.
- Vrendenberg.** Pure white. Opens four to five large florets on stiff, straight spikes. Early. Fine cut flower. 10 for 80c; 3 for 30c.
- White Gold.** An enormous, light cream Glad, blending to a golden throat. Slightly ruffled. Tall and early. Produces massive spikes. 10 for \$1.60; 2 for 40c.

The following 5 Glads are pictured at the left above—left to right.

- Badger Beauty.** Large, decorative, midseason, clear lavender Glad with a creamy throat. Does not fleck. 10 for \$1.60; 2 for 40c.
- Stoplight.** Clear, brilliant red. Large decorative type. Lightly ruffled and well spaced. 10 for \$1.20; 2 for 30c.
- Corona.** Fine creamy pink blending to a cream throat with rose-lavender ruffled edges. A very distinctive color and much in demand. 10 for \$1.20; 2 for 30c.
- Blue Beauty.** Large decorative. Early. Medium blue shading darker toward the edges. Good. 10 for 80c; 3 for 30c.
- Margaret Fulton.** One of the good older varieties. Clear, rich, deep salmon with faint apricot throat. 10 for 65c; 3 for 24c.

The following 5 Glads are pictured at the left below—left to right.

- Mother Kadel.** Medium decorative type. It is a good, clear, medium yellow without markings. 10 for \$1.20; 2 for 30c.
- Chief Multnomah.** A chocolate "smoky" with a red throat blotch. Strong, tall grower. 10 for 80c; 3 for 30c.
- Picardy.** A giant, unflecked, soft shrimp-pink Glad. Strong, tall spikes. Florets well spaced. 10 for 65c; 3 for 24c.
- Maid of Orleans.** Large decorative Glad. Milk-white with a cream throat. Heavy textured florets. 10 for 65c; 3 for 24c.
- Black Opal.** Large, formal, rich velvety dark red. Opens 8 to 10 florets. Fine show flower. 10 for 80c; 3 for 30c.



Mrs. Marks
Memory

Sub Zero HYBRID TEA ROSES for LAND O' LAKES PATRONS



Shades of Autumn Everblooming Sub-Zero Hybrid Tea

A new group of Hybrid Tea Roses known as "SUB-ZERO" Hybrid Teas (patented) have been originated in the past few years. These have been tried in various parts of Minnesota and pronounced good, but will do better with protection in Zones V and VI. The older Hybrid Teas vary in performance, but are best grown with winter protection and then only in zones up through IV. Hybrid Rugosas will do without protection in all zones.



BUSH SUB-ZEROS (Patented)

- Anne Vanderbilt.** A semi-double, easy-to-grow Rose that often produces 100 blooms per year. A brilliant coppery orange in color; it is very fragrant. \$1.75 each, prepaid.
- King Boreas.** A very popular Rose in Minnesota. It is lemon-yellow, completely double, and a very fine, free bloomer. One of the best of its type. \$1.75 each, prepaid.
- Lily Pons.** White with a pure yellow center. The flowers are large and exquisite. It is a vigorous, free bloomer. Featured at the Minneapolis-St. Paul Municipal Rose Gardens. \$1.75 each, prepaid.
- Pink Princess.** Highly resistant to black spot that often defoliates other Roses. The red buds open into deep pink flowers. Very desirable. \$1.75 each, prepaid.
- Shades of Autumn.** One of the best bi-colors to come in the Sub-Zero Hybrid Tea class. A glowing combination of red and gold. \$1.75 each, prepaid.
- V For Victory.** Rated by many experts as the best large, double, yellow Rose. It is in bloom constantly. Very hardy and very popular. \$1.75 each, prepaid.

CLIMBING SUB-ZEROS (Patented)

(Cover canes in winter for best results.)

- Climbing Break o' Day.** A climbing sport of Break o' Day bush Sub-Zero Hybrid Tea. Orange-apricot in color. It is a vigorous grower. \$2.00 each, prepaid.
- Copper Glow.** A deep coppery orange with a delightful fragrance. Unlike others in color. \$1.75 each, prepaid.
- Golden Glow.** A spectrum-yellow climber suitable for ground cover as well. Very fragrant and showy. \$1.75 each, ppd.

HYBRID RUGOSAS

- F. J. Grootendorst.** Bright red blooms borne in clusters. Makes a good hedge Rose as well. 2-yr. plants, \$1.15 each, postpaid.
- Hansa.** Extra hardy. Large, double, dark crimson flowers. Heavy foliage. 2-yr. plants, \$1.15 each, postpaid.
- Sir Thomas Lipton.** A nice variety with snow-white flowers. Very good. 2-yr. plants, \$1.15 each, postpaid.
- Belle Poitevine.** A very free blooming variety producing its bright pink flowers in clusters. 2-yr. plants, \$1.15 each, postpaid.

OTHER ROSES

- Editor McFarland.** A regular Hybrid Tea. Brilliant pink and double. Zones up through IV with protection. 2-yr. plants, \$1.20 each, ppd.
- Frau Karl Druschki.** A Hybrid Perpetual. Snow-white, large, double flowers. Very popular. Zones up through IV. Needs little protection. 2-yr. plants, \$1.20 each, postpaid.
- E. G. Hill.** A Hybrid Tea. Dark, velvety red. One of the best Hybrid Teas. Needs protection in zones up through IV. 2-yr. plants, \$1.20 each, postpaid.
- Joanna Hill.** Hybrid Tea. Clear yellow with an orange-yellow heart. Best of the group for gardens. Zones up through IV with protection. 2-yr. plants, \$1.20 each, postpaid.
- Talisman.** Hybrid Tea. Orange-gold and rosy red. Popular cut flower variety. Zones up through IV with protection. 2-yr. plants, \$1.20 each, postpaid.

CLIMBING ROSES

- Dorothy Perkins.** An old favorite. Shell-pink. Needs protection in zones up through IV. 2-yr. plants, 90c each, postpaid.
- Excelsa.** Double scarlet blooms like Dorothy Perkins. Needs protection in zones up through IV. 2-yr. plants, 90c each, postpaid.
- Paul's Scarlet Climber.** Best red of the group. Large, well shaped flowers. Needs protection in zones up through IV. 2-yr. plants, 90c each, postpaid.

"V for Victory" Everblooming Sub-Zero Hybrid Tea



HARDY PERENNIAL PLANTS



Aquilegia

AQUILEGIA (Columbine). Mrs. Scott Elliott's Long-Spurred Hybrids. This strain is composed of the best shades of Columbines available. Many lovely, long-spurred flowers are produced each season. All zones. 3 for 80c; 30c each, prepaid.

BLAZING STAR

Liatris Pycnostachya. Begins to flower from the top of the spike down. Rich lavender color. Spikes open in mid-summer. All zones. 3 for \$1.00; 35c each, prepaid.

BABY'S BREATH

Double Bristol Fairy. The very double white florists' favorite. Not long lived. Blooms all summer. Zones up through IV, and for trial in Zones V and VI. 3 for \$1.35; 50c each, prepaid.

Bodgeri. Double, dwarf flowering white that turns to light pink. Best information says suitable for all zones—caution says trials in Zones V and VI. 3 for 90c; 35c each, prepaid.

Rosy Veil. Dwarf, double pink similar to Bodgeri. Use same precautions of where to grow as for Bodgeri. 3 for 90c; 35c each, prepaid.

COREOPSIS - Double

An old favorite from grandmother's garden because of the double, sunshiny yellow flowers. All zones. 3 for 80c; 30c each, prepaid.

LYTHRUM

Morden Pink. Borrowed from our friends across the border, this Lythrum is the latest and best to be had. Graceful, rosy pink spikes are covered almost from the ground to their 3-foot tips. Blooms all summer and thrives under heavy cutting. Does well in wet or dry soil, sun or partial shade. All zones. 3 for \$1.00; 40c each, prepaid.

PENSTEMON

Firebird. One of the newest of large-flowered Penstemons, but not suitable for the far North unless it is treated like an annual and new plants set out each spring. A dark, fiery red, it reaches a height of 24 inches. Recommended for Zones up through II; with protection in Zones III and IV, and to be planted each year in Zones V and VI. 3 for 90c; 35c each, prepaid.

DELPHINIUM

Pacific Hybrids. Hybrid Delphiniums are more tender than the other two noted below and tend to act more like biennials. This is such a grand strain, however, that it has been included for LAND O' LAKES patrons. Comes mixed in the best Delphinium colors. Recommended for zones up through II, and all other zones with special culture and cover. 3 for \$1.00; 40c each, prepaid.

Belladonna. The light blue, hardy Delphinium and its companion variety listed below are true perennials and nice cut flowers. Recommended for all zones, but needs protection in the far North. 4 for \$1.00; 30c each, ppd.

Bellamosa. The dark blue hardy Delphinium. A true perennial and a nice cut flower. Recommended for all zones, but needs protection in the far North. 4 for \$1.00; 30c each, prepaid.

BUTTERFLY BUSH

Three varieties of this shrubby plant as listed below are offered to LAND O' LAKES patrons. The bloom in late summer is visited by myriads of butterflies. Bloom the first season. Tops die back in winter except in area south of Zone I. Recommended for zones up through III with protection, and to be planted annually in other zones.

Charming. Pink.	} 3 for \$1.20; 45c each, prepaid.
Concord. Blue.	
Ruby Red. Red.	

TRITOMA

(Red Hot Poker)

A well drained soil and sunny location is needed for this unusual flower. Flowers are red and orange spikes. Should be dug and stored over winter in any zone. 3 for \$1.00; 35c each, prepaid.

HEMEROCALLIS

There is much renewed interest in the Day Lily since the introduction of new colors and longer lasting features. Here are some reasonably priced ones. Recommended for all zones.

All Hemerocallis: 3 for \$1.35; 50c each, prepaid.

Gypsy. A glistening deep orange. Reaches a height of 4 feet and is a midseason bloomer.

Lemona. Delicate pale lemon-yellow flowers are borne on 4½-foot stems. The large, fine blooms are borne in July.

Mikado. A mahogany-red spot in each petal contrasts well with the orange in the rest of the flower. Blooms in June and July.

Mrs. W. H. Wyman. A light, pale lemon-yellow on 4-foot stems that follows Lemona in bloom. Blooms in August and lasts well.



Gaillardia

GAILLARDIA

Dazzler. Does best in a sunny location and well drained soils. Dazzler is one of the most brilliant of Gaillardias. All zones. 3 for 80c; 30c each, prepaid.



Delphinium



Hemerocallis

BORDER BEAUTIES *for Northern Climes*

All Prices Prepaid

Iris A selection of the best Iris for **Land o' Lakes**, ranging from moderate prices to collectors' items. **For all zones. Delivery in July and August.**

Angelus. Fine late orchid-pink. Nearly self colored. Ideal for show or garden. **50c each.**

Black Wings. Midnight-blue, overlaid with frosty black sheen. A rich color. **30c each.**

Cheerio. A bi-color of great brilliance. One of the best reds. Early and cheerful. **35c each.**

Christabel. Glowing copper-red. One of the newer and best varieties. **75c ea.**

Elmohr. Rich, reddish Mulberry color, glossy and lustrous. Fine habits. **VERY NEW. \$1.50 each.**

Golden Treasure. Creamy yellow shading to golden orange in the center. Silky texture. **50c each.**

Gudrun. A large, splendid white. Sprinkled throughout with gold dust. **35c each.**

Indian Hills. Rich purple self. Large, good substance, fine form. **40c each.**

Missouri. Clear, rich shade of medium blue. Large blooms of faultless form. **50c each.**

Snoqualmie. Reminds one of thick Jersey cream in color; hardy. **75c ea.**

Wabash. White standards and ultramarine falls with brighter margins. Good. **75c each.**

Winter Carnival. A flaring pure white with lavish gold throat. **VERY NEW. \$1.50 each.**

Lilies An assortment of Lilies for **LAND O' LAKES.**

Read zonal limits carefully.

Centifolium Hybrid. New. Another new hybrid Lily. White in color, it is tenderer than the Regal. It also grows larger. Plant in similar locations. Follows Regal in season. **Zones up through II and with protection in zones III and IV. 6 for \$3.95; 3 for \$2.10; 75c each, prepaid.**

Coral. A small red Turks-cap type of Lily which blooms early. It does well anywhere, but prefers well drained soil. **Plant 6 to 8 inches deep. All zones. 6 for \$2.35; 3 for \$1.20; 45c each, prepaid.**

Maxwill. Another new hybrid Lily. Orange in color; it bears many flowers on 6- to 7-foot stems in late July. Of easy culture. **All zones. 6 for \$3.00; 3 for \$1.65; 60c each, prepaid.**

Regal. A new strain of the Regal Lily. It should be planted on slopes, preferably north or east ones, where they are well drained. Will **not** stand wet feet. Color is white with outside of petals often shaded lavender. **Plant 8 to 12 inches deep on a cushion of sand. Zones up through IV and for trial in zones V and VI. 6 for \$2.10; 3 for \$1.20; 45c each, prepaid.**

Hardy Asters Some new colors in this fine fall flowering plant. **All zones.**

All Varieties: 3 for \$1.20; 45c each, prepaid.

Beechwood Challenger. Nearest to red. Strong grower with fine habits.

Blue Gem. Double flowers of the richest blue available. The best to be had.

Harrington's Pink. Nearest to true pink. Good for garden or cut flower.

Lilac Time. Dwarf, hardy Aster. Soft lilac colored.

Mt. Everest. Best white. Tall, well shaped plant.

Queen Mary. Large flowering. Blue tinted lavender.

BLEEDING HEART

An old-fashioned favorite in everybody's garden. Striking red and white flowers. Perfectly hardy and at home everywhere. Recommended for **all zones. 3 for \$1.60; 60c each.**

Prepaid



Hardy Asters



Bleeding Heart

Peonies These are the best varieties available at reasonable prices and some of the newer high-rated ones. Recommended for **all zones.**

FALL DELIVERY ONLY—Prepaid

RED

Rating

9.0 **Baroness Schroeder.** Late. **\$1.35 each.**

7.9 **Mme. de Verneville.** Late. **\$1.00 each.**

8.9 **Mme. Emile Lemoine.** **\$1.00 each.**

9.0 **Nina Secor.** Midseason. **\$1.35 each.**

9.0 **Rev. Tragett.** **\$2.95 each.**

PINK

9.2 **Florence MacBeth.** Soft pink. **\$2.35 each.**

8.8 **Karl Rosenfield.** Dark pink. **\$1.00 each.**

9.3 **Mons. Jules Elie.** Early; medium pink. **\$1.35 each.**

9.0 **Sarah Bernhardt.** Late. **\$1.00 each.**

9.8 **Therese.** **\$1.85 each.**

WHITE

Rating

8.4 **Felix Crousse.** Late. **\$1.00 each.**

9.0 **Longfellow.** **\$1.85 each.**

9.2 **Phillippe Rivoire.** Late. **\$2.95 each.**

YELLOW

8.6 **Golden Dawn.** Anemone; midseason. **\$1.95 each.**

8.8 **Laura Dessert.** Lemon; midseason. **\$1.35 each.**

9.7 **Solange.** Buff; late. **\$1.95 each.**

JAPANESE TYPE

8.6 **Mikado.** Red; midseason. **\$1.95 each.**

8.7 **Rashoomon.** Pinkish red. **\$2.35 each.**

Phlox Phlox are one of the most desirable tall garden perennials and come in several colors. They are recommended for **all zones.**

All Varieties: 3 for \$1.05; 40c each, prepaid.

Border Queen. Dwarf; rose. Not often found in catalogs, but one of the best.

Leo Schlageter. A brilliant scarlet that glows with fire. Blooms early.

Lillian. A large flowered variety. Cameo-pink with a faint blue eye.

Mia Ruys. A dwarfier, large flowering white Phlox. One of the best.

Thor. A deep salmon-rose. An older variety but still good.

Widar. A violet Phlox of medium height. Has a white eye.



Phlox

HARDY CHRYSANTHEMUMS

Minnesota Mums

Here are the best of the introductions of Dr. L. E. Longley of the University of Minnesota. All hardy Mums need protection in all zones for best performance.

All Mum Prices are PREPAID.

Aurora. One of the newer introductions. A good **bronze** color that holds well. A dwarf grower suitable for garden or border. Flowers late in August. 3 for \$1.20; 45c each.

Butterball. The best **butter-yellow** hardy Mum for its season. It is very early, flowering early in August. It is dwarf and suitable for garden or border. 3 for \$1.05; 40c each.

Chippewa. A large **Aster-purple**, cluster Mum that grows about medium in height; blends in well with dwarfer sorts. A good deep color. Blooms early in September. 3 for \$1.05; 40c each.

Dee Dee Ahrens. A very new **white** that closely resembles the florists' Pompon in form. It is dwarf, stiff-stemmed, fine for garden or border. Blooms late in August. 3 for \$1.20; 45c each.

Glacier. Another pure **white** hardy Mum, but the blooms are larger and looser than are Dee Dee Ahrens'. Flowers slightly later; early September. Fine for garden or border. 3 for \$1.05; 40c each.



Maroon N' Gold. Bright **mahogany** flowers fade as they open to **bronzey gold**, making a delightful contrast. Flowers large. Dwarf growth. Blooms late in August. 3 for \$1.20; 45c each.

Red Gold. Smaller flowered than Maroon N' Gold and holds its color better. Flowers open **red** and fade into a beautiful shade of **orange-gold**. Medium in height. Flowers late in August. 3 for \$1.05; 40c ea.

Violet. Deep **purple**; holds its color well. Pompon type flower. Dwarf, excellent for pots, garden or border. Flowers late in August. 3 for \$1.35; 50c each.

1. Butterball
2. Aurora

3. Maroon N' Gold
4. Dee Dee Ahrens

5. Violet
6. Glacier



Candlelight



Charles Nye

Autumn Song

Chicago Mums

These are selections from Dr. E. J. Kraus' introductions from the University of Chicago.

All Mum Prices are PREPAID.

Autumnsong. A new **wine-rose** shading **carmine**. Blooms in mid-September. 3 for \$1.35; 50c each.

Autumntide. A new semi-spoon. **Salmon-coral**. Blooms late in August. 3 for \$1.45; 55c each.

Candlelight. A very prolific **creamy ivory-white**. Blooms late in August. 3 for \$1.35; 50c each.

Charles Nye. A very new double rich **Buttercup-yellow**. Grows medium height. Blooms late in September. 3 for \$1.50; 60c each.

Courageous. A new large, dark **ruby-red** Mum. Holds its color well. Blooms just ahead of Charles Nye. 3 for \$1.35; 50c each.

Drifted Snow. A new double **white** shaded **yellow**. Mid-September. 3 for \$1.35; 50c each.

Early Harvest. Lots of **mahogany-orange** flowers early in September. 3 for \$1.35; 50c each.

Glowing Coals. A new deep **cherry-red** best adapted to southern zones because it blooms about September 20. 3 for \$1.50; 55c each.

Olive Longland. **Apricot** toned **salmon-pink**. Blooms late in September. 3 for \$1.50; 55c each.

Zantha. A **canary-yellow** perpetual bloomer that starts to bloom about mid-August. 3 for \$1.35; 50c each.

Other Hardy Mums

These varieties have been selected for earliness and quality.

All Mum Prices are PREPAID.

AVALANCHE. Large **creamy white**. September 4. 3 for \$1.05; 40c each.

BARBARA SMALL. Clear **lilac-pink**. September 6. 3 for \$1.05; 40c each.

DAHLIA MUM. Bright **wine-red**. September 10. 3 for 90c; 35c each.

DEAN KAY. **Rose-pink**. September 10. 3 for 90c; 35c each.

EARLY BRONZE. **Bronze-yellow** Pompon. September 15. 3 for 90c; 35c each.

EUGENE WANDER. Large bright **yellow**. August 25. 3 for 90c; 35c each.

FLASHLIGHT. Dark **red**, **gold** reverse. August 28. 3 for \$1.05; 40c each.

HARBINGER. **Bronze** tipped **red**. August 22. 3 for \$1.05; 40c each.

LAVENDER LASSIE. Pure **lavender**. September 10. 3 for \$1.05; 40c each.

MY LADY. **Gold** shaded **orange-red**. August 27. 3 for 90c; 35c each.

POLAR ICE. Clear **ice-white**; double. September 9. 3 for \$1.05; 40c each.

REDWOOD. A dwarf bright **red**. August 9. 3 for 90c; 35c each.

SEPTEMBER BRONZE. A warm **bronze**. September 2. 3 for 90c; 35c each.

Full Directions for Planting With Every Order